THIS DOCUMENT WAS TOO LARGE TO SCAN AS A SINGLE DOCUMENT. IT REQUIRED BREAKING INTO SMALLER SECTIONS.

DOCUMENT NUMBER: SD-WM-DP-153

SECTION: 2 OF 2

TITLE: 45-Day Safety Screening Results for Tank 241BY110 Rotary Mode Cores 92, 95, 101, 103, 106, 107, 109, 96 & 113

AUTHOR:

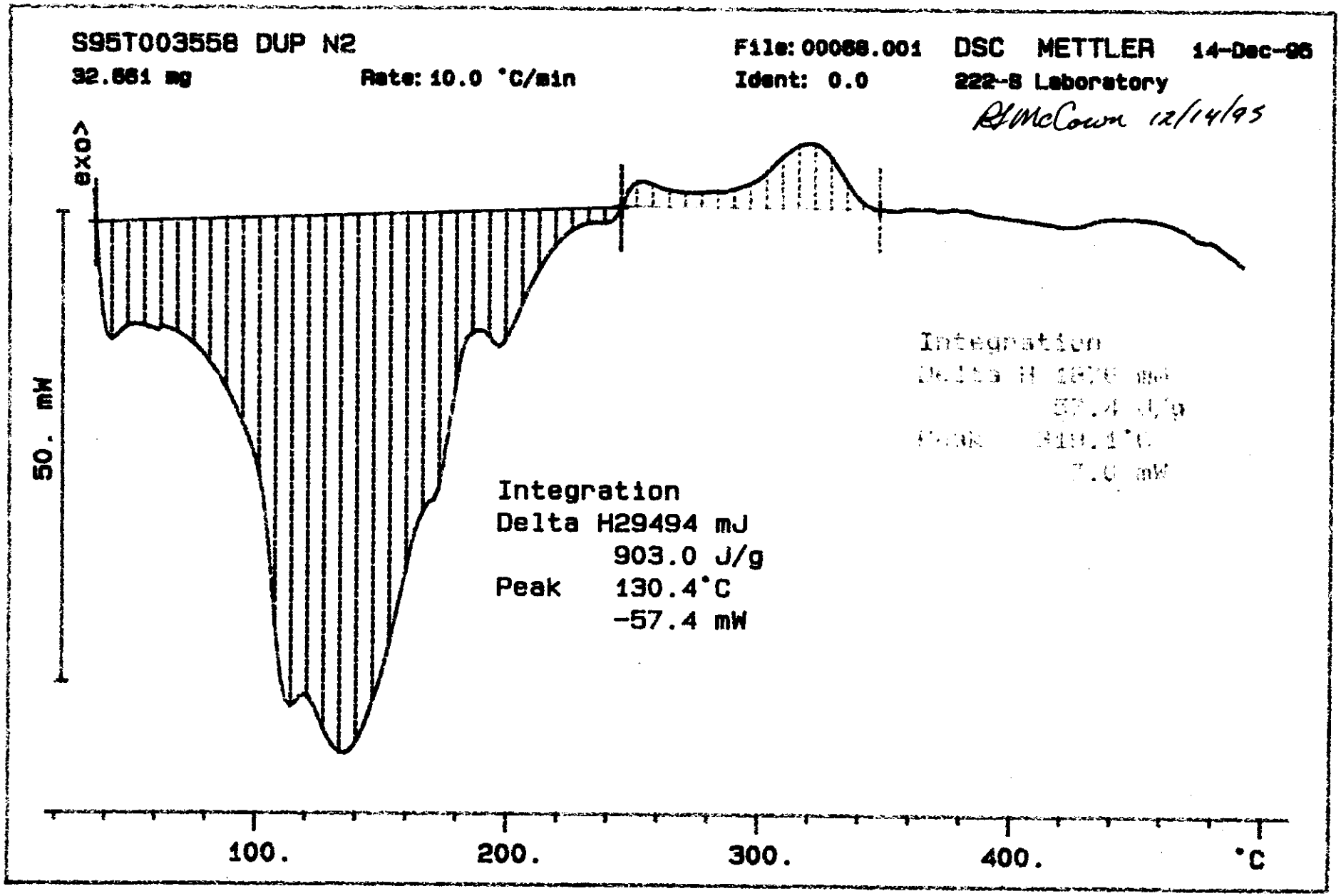
RECIPIENT: Schreiber RD

DATE: 12-22-95

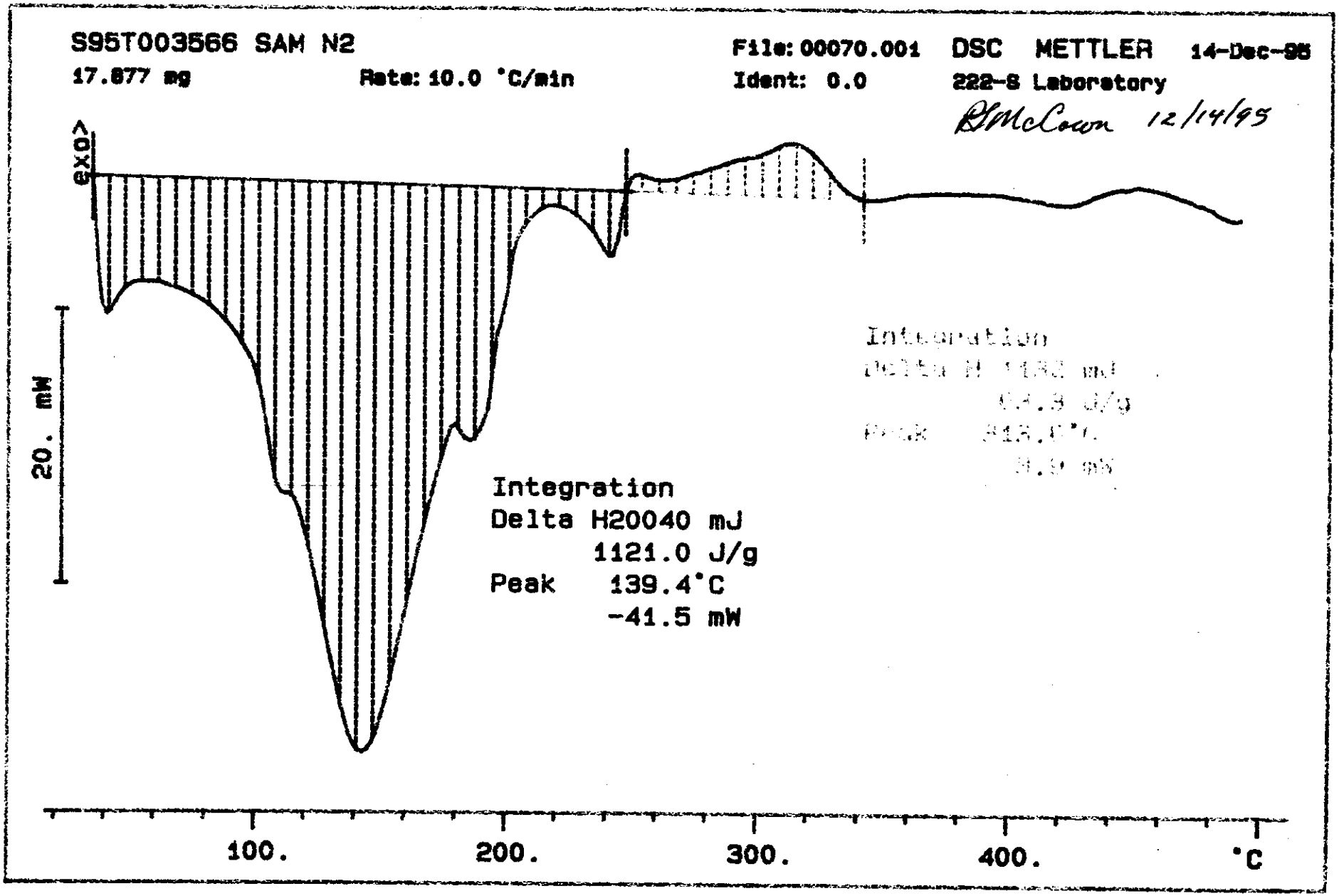
KEYWORDS:

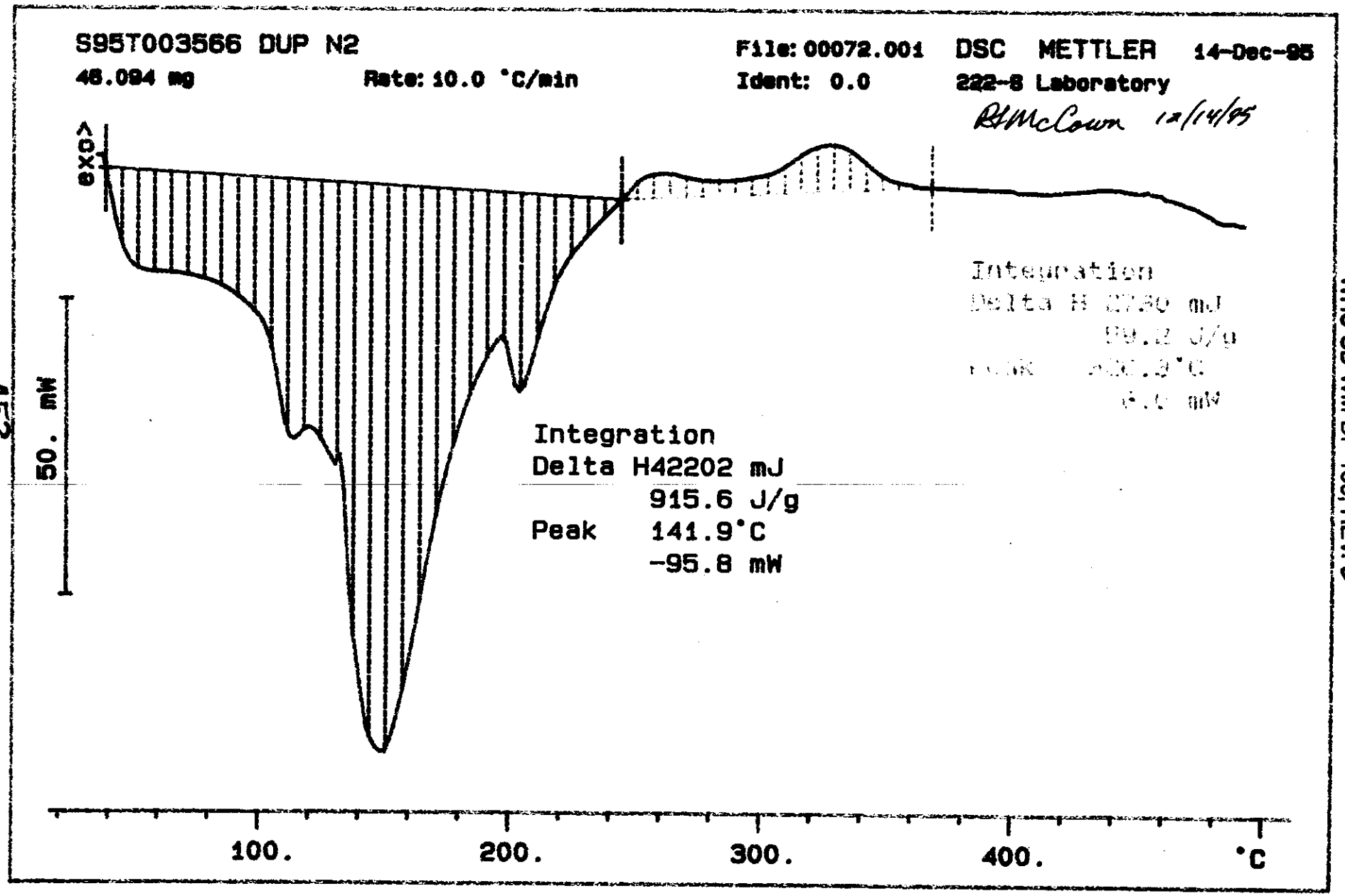
REFERENCES: EDT-613483

BEST AVAILABLE COPY



BEST AVAILABLE COPY




S95T003566 DUP N2
46.094 mg
Rate: 10.0 °C/min
File: 00072.001
Ident: 0.0
DSC METTLER
14-Dec-95
222-8 Laboratory
RHMcCown 12/14/95
<exo
50. mW
Integration
Delta H 27.30 mJ
Peak
Integration
Delta H42202 mJ
915.6 J/g
Peak 141.9°C
-95.8 mW
100.
200.
300.
400.
°C

WAC-SD-WM-DP-153, Rev 0.

LABCORE Data Entry Template for Worklist# 4111

Analyst: SMF **Instrument:** DSC0 1 **Book #** 12 N14 B

Method: LA-514-113 Rev/Mod C-1

Worklist Comment: Please run BY-110 DSCs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD			DSC-01	SOLID	28.45	27.2*	N/A	Joules/g
95000171	BY-110	2 SAMPLE	S95T003430	0	DSC-01	SOLID	N/A	66.6		Joules/g
95000171	BY-110	3 DUP	S95T003430	0	DSC-01	SOLID	66.6	67.8	N/A	Joules/g

Final page for worklist # 4111

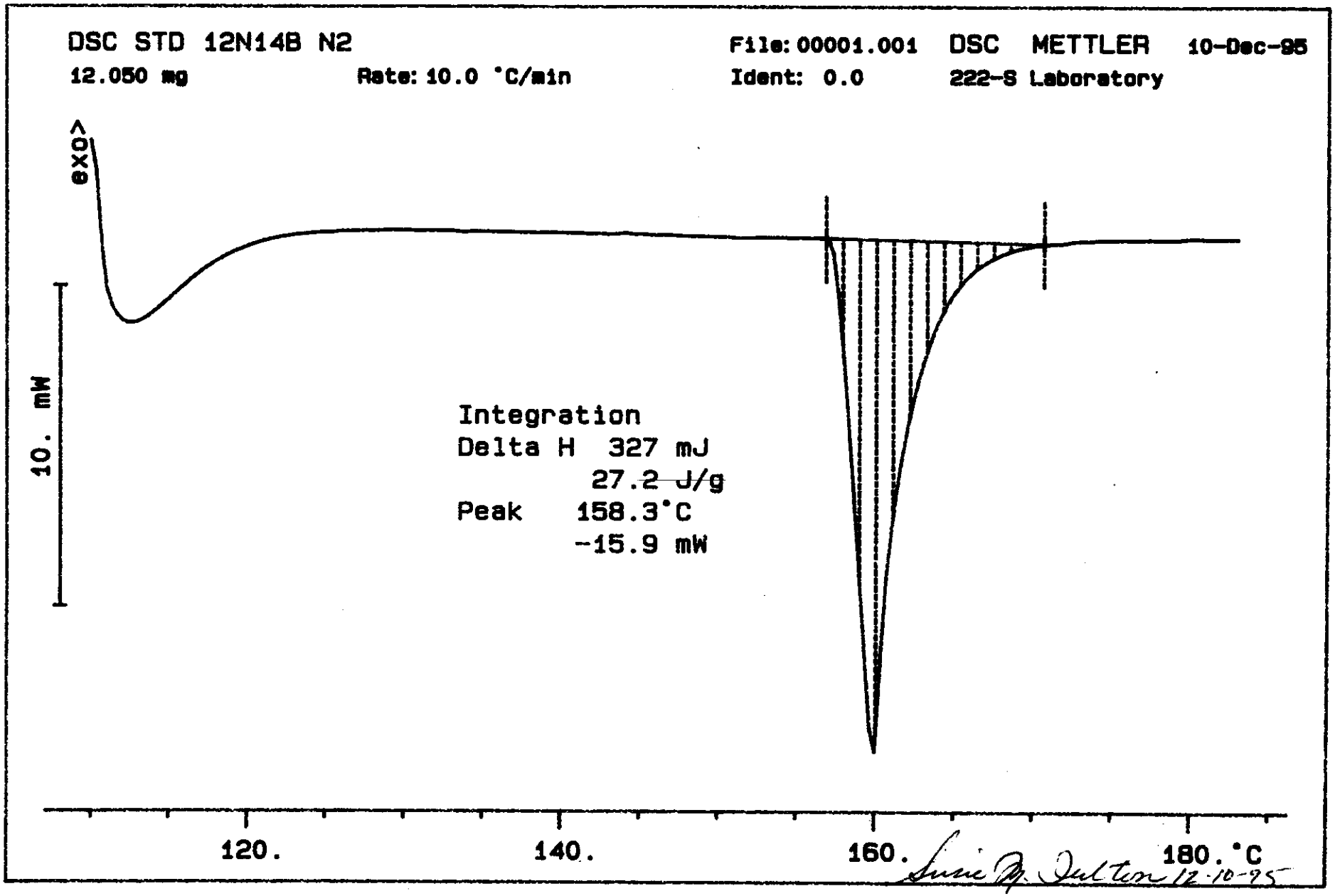
Susie M. Fulton 12-10-95
Analyst Signature **Date**

[illegible] 12/12/95
Analyst Signature **Date**

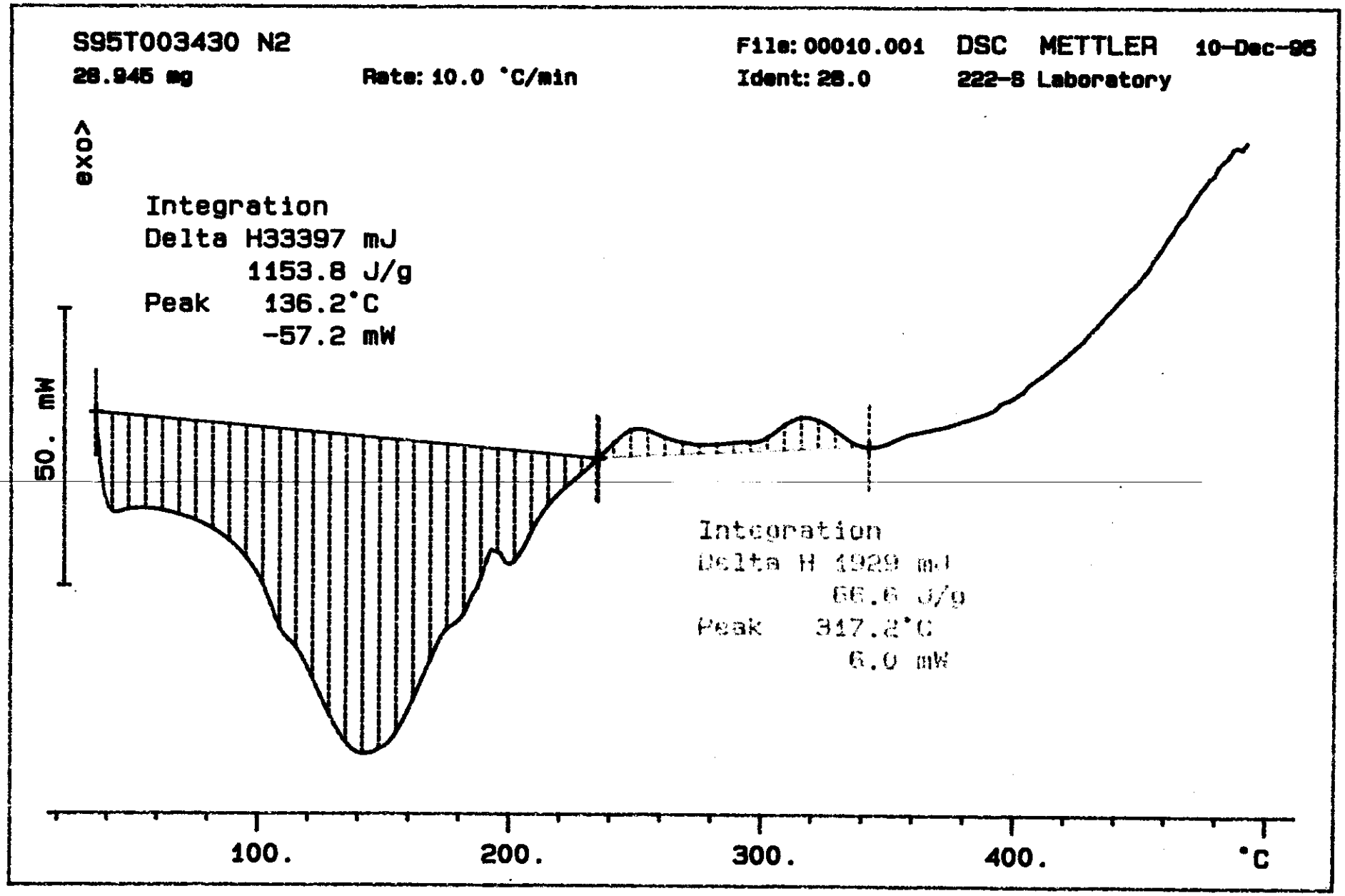
Data Entry Comments: The upward slope beginning at approximately 420°C is not representative of this BY-110 sample it is contamination left over from the BY-105 samples on the sensor.

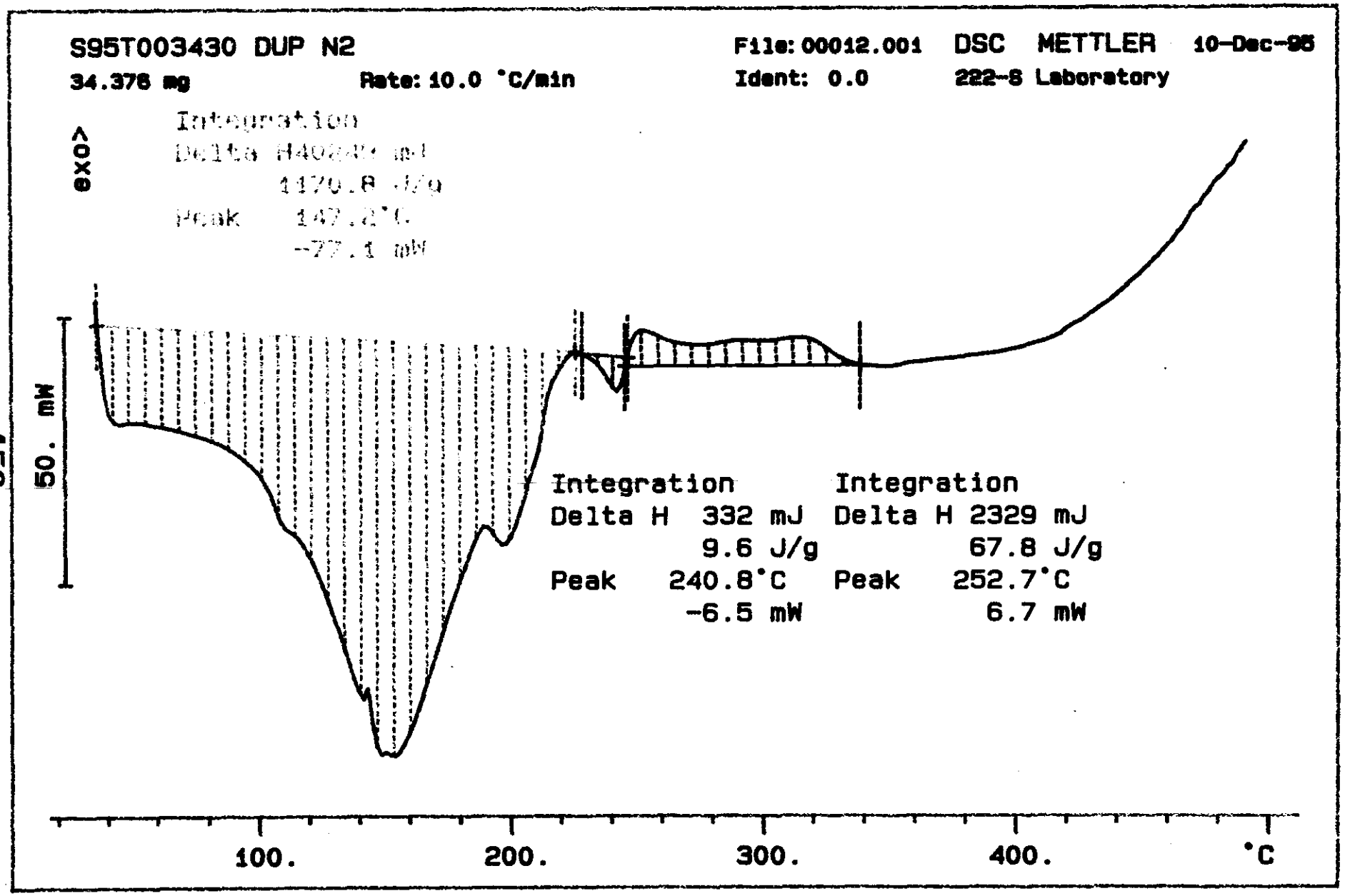
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 454 TO 456.



Susie M. Dalton 12-10-95


S95T003430 N2
28.945 mg
Rate: 10.0 °C/min
File: 00010.001
Ident: 28.0
DSC METTLER
222-S Laboratory
10-Dec-95
<exo
50. mW
Integration
Delta H33397 mJ
1153.8 J/g
Peak 136.2°C
-57.2 mW
Integration
Delta H 1929 mJ
66.6 J/g
Peak 317.2°C
6.0 mW
100.
200.
300.
400.
°C



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MHC-SD-MMD-DP-055, Rev 0

LABCORE Data Entry Template for Worklist# 4287

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000095	BY-110	1 SAMPLE	S95T001789	0		DSC-02	LIQUID	N/A	Ø		Joules/g Dry
95000095	BY-110	2 DUP	S95T001789	0		DSC-02	LIQUID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	3 SAMPLE	S95T001816	0		DSC-02	LIQUID	N/A	Ø		Joules/g Dry
95000095	BY-110	4 DUP	S95T001816	0		DSC-02	LIQUID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	5 SAMPLE	S95T001817	0		DSC-02	LIQUID	N/A	Ø		Joules/g Dry
95000095	BY-110	6 DUP	S95T001817	0		DSC-02	LIQUID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	7 SAMPLE	S95T001818	0		DSC-02	LIQUID	N/A	12/18/95 ~~0~~ 91.92		Joules/g Dry
95000095	BY-110	8 DUP	S95T001818	0		DSC-02	LIQUID	91.92	69.83	N/A	Joules/g Dry
95000095	BY-110	9 SAMPLE	S95T001818	1		DSC-02	LIQUID	N/A	34.03		Joules/g Dry
95000110	BY-110	10 SAMPLE	S95T001791	0		DSC-02	LIQUID	N/A	Ø		Joules/g Dry
95000110	BY-110	11 DUP	S95T001791	0		DSC-02	LIQUID	Ø	Ø	N/A	Joules/g Dry
95000132	BY-110	12 SAMPLE	S95T002427	0		DSC-02	LIQUID	N/A	35.46		Joules/g Dry
95000132	BY-110	13 DUP	S95T002427	0		DSC-02	LIQUID	35.46	23.64	N/A	Joules/g Dry
95000171	BY-110	14 SAMPLE	S95T003588	0		DSC-02	LIQUID	N/A	Ø		Joules/g Dry
95000171	BY-110	15 DUP	S95T003588	0		DSC-02	LIQUID	Ø	Ø	N/A	Joules/g Dry

Final page for worklist # 4287

Blandina Valenzuela

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BY-110

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T001789	Ø	36.88 + 36.95 : Avg 36.92	Ø
1789D	Ø	36.92	Ø
1816	Ø	89.27	Ø
1816D	Ø	89.27	Ø
1817	Ø	37.28	Ø
1817D	Ø	37.28	Ø
1818	57.0	37.985	91.92
1818D	43.3	37.985	69.83
1818T	21.1	37.985	34.03
1791	Ø	39.685	Ø
1791D	Ø	39.685	Ø
2427	18.6	47.54	35.46
2427D	12.4	47.54	~~Ø~~ 12/18/95 BDV * 23.64
3574	NOT FILTERED	—	
3574D	NOT FILTERED	—	
3588	Ø	99.95	Ø
3588D	Ø	99.95	Ø

12/18/95 ~~NO QC~~ BDV

Blandina Valenzuela
12/18/95

LABCORE Data Entry Template for Worklist# 4288

Analyst: BDV **Instrument:** DSC01 **Book #** ——

Method: LA-514-113 Rev/Mod ——

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000095	BY-110	1 SAMPLE	S95T001740	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	2 DUP	S95T001740	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	3 SAMPLE	S95T001741	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	4 DUP	S95T001741	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	5 SAMPLE	S95T001742	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	6 DUP	S95T001742	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	7 SAMPLE	S95T001743	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	8 DUP	S95T001743	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	9 SAMPLE	S95T001744	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	10 DUP	S95T001744	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	11 SAMPLE	S95T001745	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	12 DUP	S95T001745	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	13 SAMPLE	S95T001794	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	14 DUP	S95T001794	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	15 SAMPLE	S95T001795	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	16 DUP	S95T001795	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	17 SAMPLE	S95T001799	0		DSC-02	SOLID	N/A	24.38		Joules/g Dry
95000095	BY-110	18 DUP	S95T001799	0		DSC-02	SOLID	24.38	21.10	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4288

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000116	BY-110	19 SAMPLE	S95T001614	0		DSC-02	SOLID	N/A	12.26		Joules/g Dry
95000116	BY-110	20 DUP	S95T001614	0		DSC-02	SOLID	12.26	12.15	N/A	Joules/g Dry
95000116	BY-110	21 SAMPLE	S95T001628	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000116	BY-110	22 DUP	S95T001628	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry

Final page for worklist # 4288

Data entered and verified by
Blandina Valenzuela 12/18/95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BY-110

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T00 1740	Ø	4.59	Ø
1740D	Ø	4.59	Ø
1741	Ø	12.01	Ø
1741D	Ø	12.01	Ø
1742	Ø	14.96	Ø
1742D	Ø	14.96	Ø
1743	Ø	17.67	Ø
1743D	Ø	17.67	Ø
delete rerun 1744	Ø	Question on TGA results	Ø
delete rerun 1744D	Ø	"	Ø
1745	Ø	12-15-95 BDV ~~.76~~ 5.74	Ø
1745D	Ø	12-15-95 BDV ~~10.73~~ 5.74	Ø
1794	Ø	6.4	Ø
1794D	Ø	6.4	Ø
1795	Ø	19.81	Ø
1795D	Ø	19.81	Ø
1799	17.1	29.87	24.38
1799D	14.8	29.87	21.10
1614	10.5	14.37	12.26
1614D	10.4	14.37	12.15
1628	Ø	22.80	Ø
1628D	Ø	22.80	Ø

Blandina Valenzuela
12/18/95

worklistrpt Version 2.1 05/15/95
12/15/95 12:11

LABCORE Data Entry Template for Worklist# 4289

Analyst: BDV **Instrument:** DSC01 **Book #** ——

Method: LA-514-113 Rev/Mod ——

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000116	BY-110	1	SAMPLE	S95T001633	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000116	BY-110	2	DUP	S95T001633	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000116	BY-110	3	SAMPLE	S95T001634	0		DSC-02	SOLID	N/A	45.79		Joules/g Dry
95000116	BY-110	4	DUP	S95T001634	0		DSC-02	SOLID	45.79	48.93	N/A	Joules/g Dry
95000116	BY-110	5	SAMPLE	S95T001635	0		DSC-02	SOLID	N/A	55.81		Joules/g Dry
95000116	BY-110	6	DUP	S95T001635	0		DSC-02	SOLID	55.81	57.62	N/A	Joules/g Dry
95000116	BY-110	7	SAMPLE	S95T001636	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000116	BY-110	8	DUP	S95T001636	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000116	BY-110	9	SAMPLE	S95T001637	0		DSC-02	SOLID	N/A	134.0		Joules/g Dry
95000116	BY-110	10	DUP	S95T001637	0		DSC-02	SOLID	134.0	133.7	N/A	Joules/g Dry
95000116	BY-110	11	SAMPLE	S95T001667	0		DSC-02	SOLID	N/A	139.0		Joules/g Dry
95000116	BY-110	12	DUP	S95T001667	0		DSC-02	SOLID	139.0	133.9	N/A	Joules/g Dry
95000116	BY-110	13	SAMPLE	S95T001668	0		DSC-02	SOLID	N/A	103.4		Joules/g Dry
95000116	BY-110	14	DUP	S95T001668	0		DSC-02	SOLID	103.4	97.53	N/A	Joules/g Dry
95000116	BY-110	15	SAMPLE	S95T001669	0		DSC-02	SOLID	N/A	96.87		Joules/g Dry
95000116	BY-110	16	DUP	S95T001669	0		DSC-02	SOLID	96.87	91.47	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4289

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4289

Data entered + verified by
Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T00 1633	Ø	17.73	Ø
1633D	Ø	17.73	Ø
1634	38.0	17.02	45.79
1634D	40.6	17.02	48.93
* has a replicate 1635	46.2	17.22 * Avg of 4 #'s	55.81
1635D	47.70	17.22	57.62
* has a replicate 1636	Ø	16.95 * Avg of 4 #'s	Ø
1636D	Ø	16.95	Ø
1637	97.1	27.53	134.0
1637D	96.9	27.53	133.7
1667	92.3	33.62	139.0
1667D	88.9	33.62	133.9
1668	70.2	32.12	103.4
1668D	66.2	32.12	97.53
* has a replicate 1669	64.6	33.31 * Avg of 4 #s	96.87
1669D	61.0	33.31	91.47

Blandina Valenzuela
12/18/95

LABCORE Data Entry Template for Worklist# 4290

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000116	BY-110	1 SAMPLE	S95T001670	0		DSC-02	SOLID	N/A	112.6		Joules/g Dry
95000116	BY-110	2 DUP	S95T001670	0		DSC-02	SOLID	112.6	43.23	N/A	Joules/g Dry
95000116	BY-110	3 SAMPLE	S95T001671	0		DSC-02	SOLID	N/A	61.50		Joules/g Dry
95000116	BY-110	4 DUP	S95T001671	0		DSC-02	SOLID	61.50	72.34	N/A	Joules/g Dry
95000116	BY-110	5 SAMPLE	S95T001672	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000116	BY-110	6 DUP	S95T001672	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000116	BY-110	7 SAMPLE	S95T001673	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000116	BY-110	8 DUP	S95T001673	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000116	BY-110	9 SAMPLE	S95T001674	0		DSC-02	SOLID	N/A	89.41		Joules/g Dry
95000116	BY-110	10 DUP	S95T001674	0		DSC-02	SOLID	89.41	96.45	N/A	Joules/g Dry
95000116	BY-110	11 SAMPLE	S95T001675	0		DSC-02	SOLID	N/A	101.0		Joules/g Dry
95000116	BY-110	12 DUP	S95T001675	0		DSC-02	SOLID	101.0	100.3	N/A	Joules/g Dry
95000116	BY-110	13 SAMPLE	S95T001676	0		DSC-02	SOLID	N/A	329.1		Joules/g Dry
95000116	BY-110	14 DUP	S95T001676	0		DSC-02	SOLID	329.1	369.0	N/A	Joules/g Dry
95000116	BY-110	15 SAMPLE	S95T001677	0		DSC-02	SOLID	N/A	357.2		Joules/g Dry
95000116	BY-110	16 DUP	S95T001677	0		DSC-02	SOLID	357.2	322.7	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4290

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4290

Data entered + verified by
Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T001670	65.9	41.48	112.6
1670D	25.3	41.48	43.23
1671	38.6	37.24	61.50
1671D	45.4	37.24	72.34
1672	Ø	24.69 * Avg of 4 #s	Ø
1672D	Ø	24.69	Ø
1673	Ø	14.17	Ø
1673D	Ø	14.17	Ø
1674	59.7	33.23	89.41
1674D	64.4	33.23	96.45
1675	12/15/95 BDV ~~65.0~~ 68.5	32.19	101.0
1675D	68.0	32.19	100.3
1676	230.9	30.02	329.1
1676D	258.2	30.02	369.0
1677	266.8	25.31	357.2
1677D	241.0	25.31	322.7

Blandina Valenzuela
12/18/95

LABCORE Data Entry Template for Worklist# 4291

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000124	BY-110	1 SAMPLE	S95T002088	0		DSC-02	SOLID	N/A	121.0		Joules/g Dry
95000124	BY-110	2 DUP	S95T002088	0		DSC-02	SOLID	121.0	127.5	N/A	Joules/g Dry
95000124	BY-110	3 SAMPLE	S95T002089	0		DSC-02	SOLID	N/A	75.06		Joules/g Dry
95000124	BY-110	4 DUP	S95T002089	0		DSC-02	SOLID	75.06	69.08	N/A	Joules/g Dry
95000124	BY-110	5 SAMPLE	S95T002090	0		DSC-02	SOLID	N/A	106.9		Joules/g Dry
95000124	BY-110	6 DUP	S95T002090	0		DSC-02	SOLID	106.9	94.57	N/A	Joules/g Dry
95000124	BY-110	7 SAMPLE	S95T002091	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	8 DUP	S95T002091	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	9 SAMPLE	S95T002092	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	10 DUP	S95T002092	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	11 SAMPLE	S95T002093	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	12 DUP	S95T002093	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	13 SAMPLE	S95T002094	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	14 DUP	S95T002094	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	15 SAMPLE	S95T002095	0		DSC-02	SOLID	N/A	342.9		Joules/g Dry
95000124	BY-110	16 DUP	S95T002095	0		DSC-02	SOLID	342.9	347.1	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4291

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4291

Data entered + verified by
Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T002088	81.7	32.47	121.0
2088D	~~86.3~~ 86.1	32.47	127.5
2089 ~~2039~~	50.2	33.12	75.06
2089D	46.2	33.12	69.08
2090	77.3	27.67	106.9
2090D	68.4	27.67	94.57
2091	Ø	25.89	Ø
2091D	Ø	25.89	Ø
2092	Ø	32.75	Ø
2092D	Ø	32.75	Ø
2093	Ø	7.03	Ø
2093D	Ø	7.03	Ø
2094	Ø	31.84	Ø
2094D	Ø	31.84	Ø
2095	239.9	30.03	342.9
2095D	242.9	30.03	347.1

Blandina Valenzuela
12/18/95

LABCORE Data Entry Template for Worklist# 4292

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000124	BY-110	1	SAMPLE	S95T002096	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	2	DUP	S95T002096	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	3	SAMPLE	S95T002097	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	4	DUP	S95T002097	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000095	BY-110	5	SAMPLE	S95T001752	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000095	BY-110	6	DUP	S95T001752	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	7	SAMPLE	S95T001730	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	8	DUP	S95T001730	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	9	SAMPLE	S95T001737	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	10	DUP	S95T001737	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	11	SAMPLE	S95T001751	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	12	DUP	S95T001751	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	13	SAMPLE	S95T001755	0		DSC-02	SOLID	N/A	46.15		Joules/g Dry
95000110	BY-110	14	DUP	S95T001755	0		DSC-02	SOLID	46.15	64.75	N/A	Joules/g Dry
95000110	BY-110	15	SAMPLE	S95T001772	0		DSC-02	SOLID	N/A	68.82		Joules/g Dry
95000110	BY-110	16	DUP	S95T001772	0		DSC-02	SOLID	68.82	63.14	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4292

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4292

Data entered + verified by
Blanaina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T002096	Ø	30.62	Ø
2096D	Ø	30.62	Ø
2097	Ø	30.1	Ø
2097D	Ø	30.1	Ø
1752	Ø	14.43	Ø
1752D	Ø	14.43	Ø
1730	Ø	13.5	Ø
1730D	Ø	13.5	Ø
1737	Ø	12.3	Ø
1737D	Ø	12.3	Ø
1751	Ø	34.87	Ø
1751D	Ø	34.87	Ø
1755	38.2	17.22	46.15
1755D	53.6	17.22	64.75
1772	54.5	20.81	68.82
1772D	50.0	20.81	63.14

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LABCORE Data Entry Template for Worklist# 4293

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000123	BY-110	1	SAMPLE	S95T001909	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000123	BY-110	2	DUP	S95T001909	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000123	BY-110	3	SAMPLE	S95T001929	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000123	BY-110	4	DUP	S95T001929	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	5	SAMPLE	S95T001948	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	6	DUP	S95T001948	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	7	SAMPLE	S95T001950	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	8	DUP	S95T001950	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	9	SAMPLE	S95T001956	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	10	DUP	S95T001956	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	11	SAMPLE	S95T001964	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	12	DUP	S95T001964	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	13	SAMPLE	S95T002058	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	14	DUP	S95T002058	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000124	BY-110	15	SAMPLE	S95T002059	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	16	DUP	S95T002059	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

worklistrpt Version 2.1 05/15/95
12/15/95 12:16

LABCORE Data Entry Template for Worklist# 4293

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4293

Data entered + verified by Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T001909	Ø	18.62	Ø
1909D	Ø	18.62	Ø
1929	Ø	15.76	Ø
1929D	Ø	15.76	Ø
1948	Ø	1.32	Ø
1948D	Ø	1.32	Ø
1950	Ø	25.27	Ø
1950D	Ø	25.27	Ø
1956	Ø	23.22	Ø
1956D	Ø	23.22	Ø
1964	Ø	21.44	Ø
1964D	Ø	21.44	Ø
2058	Ø	18.33	Ø
2058D	Ø	18.33	Ø
2059	Ø	18.77	Ø
2059D	Ø	18.77	Ø

Blandina Valenzuela
12/18/95

LABCORE Data Entry Template for Worklist# 4294

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000124	BY-110	1	SAMPLE	S95T002060	0		DSC-02	SOLID	N/A	30.81		Joules/g Dry
95000124	BY-110	2	DUP	S95T002060	0		DSC-02	SOLID	30.81	41.97	N/A	Joules/g Dry
95000124	BY-110	3	SAMPLE	S95T002061	0		DSC-02	SOLID	N/A	118.9		Joules/g Dry
95000124	BY-110	4	DUP	S95T002061	0		DSC-02	SOLID	118.9	129.4	N/A	Joules/g Dry
95000124	BY-110	5	SAMPLE	S95T002062	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000124	BY-110	6	DUP	S95T002062	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	7	SAMPLE	S95T002150	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	8	DUP	S95T002150	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	9	SAMPLE	S95T002205	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	10	DUP	S95T002205	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	11	SAMPLE	S95T002206	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	12	DUP	S95T002206	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	13	SAMPLE	S95T002207	0		DSC-02	SOLID	N/A	198.4		Joules/g Dry
95000110	BY-110	14	DUP	S95T002207	0		DSC-02	SOLID	198.4	193.8	N/A	Joules/g Dry
95000110	BY-110	15	SAMPLE	S95T002208	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	16	DUP	S95T002208	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4294

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Data entered + verified by **Final page for worklist # 4294**

Blandina Valenzuela 12-18-95

Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T002060	25.1	18.52	30.81
2060D	34.2	18.52	41.97
2061	82.5	30.62	118.9
2061D	89.8	30.62	129.4
2062	Ø	13.32	Ø
2062D	Ø	13.32	Ø
2150	Ø	23.86	Ø
2150D	Ø	23.86	Ø
2205	Ø NO QC info	28.87	Ø
2205D		28.87	Ø
2206	Ø No QC info	29.19	Ø
2206D		29.19	Ø
2207	146.1	26.36	198.4
2207D	142.7	26.36	193.8
2208	Ø	29.95	Ø
2208D	Ø	29.95	Ø

Blandina Valenzuela
12/18/95
BDV

LABCORE Data Entry Template for Worklist# 4295

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000110	BY-110	1	SAMPLE	S95T002209	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	2	DUP	S95T002209	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	3	SAMPLE	S95T002210	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	4	DUP	S95T002210	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	5	SAMPLE	S95T002211	0		DSC-02	SOLID	N/A	129.4		Joules/g Dry
95000110	BY-110	6	DUP	S95T002211	0		DSC-02	SOLID	129.4	140.4	N/A	Joules/g Dry
95000110	BY-110	7	SAMPLE	S95T002212	0		DSC-02	SOLID	N/A	128.7		Joules/g Dry
95000110	BY-110	8	DUP	S95T002212	0		DSC-02	SOLID	128.7	104.7	N/A	Joules/g Dry
95000110	BY-110	9	SAMPLE	S95T002213	0		DSC-02	SOLID	N/A	44.18		Joules/g Dry
95000110	BY-110	10	DUP	S95T002213	0		DSC-02	SOLID	44.18	46.66	N/A	Joules/g Dry
95000110	BY-110	11	SAMPLE	S95T002214	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	12	DUP	S95T002214	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000110	BY-110	13	SAMPLE	S95T002217	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000110	BY-110	14	DUP	S95T002217	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000132	BY-110	15	SAMPLE	S95T002417	0		DSC-02	SOLID	N/A	17.25		Joules/g Dry
95000132	BY-110	16	DUP	S95T002417	0		DSC-02	SOLID	17.25	29.71	N/A	Joules/g Dry
95000132	BY-110	17	TRIPL	S95T002417	0		DSC-02	SOLID	17.25	~~30.67~~ 30.67 RDA 12/20/95	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4295

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4295

Data entered + verified by
Blandina Valenzuela 12/20/95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T002209	Ø	43.74	Ø
2209D	Ø	43.74	Ø
2210	Ø	25.46	Ø
2210D	Ø	25.46	Ø
2211	81.8	36.77	129.4
2211D	88.8	36.77	140.4
2212	112.0	12.98	128.7
2212D	91.1	12.98	104.7
2213	~~Ø~~ 43.03 RDL 12/21/95	~~44.24~~ 2.61 RDL 12/21/95	44.18
2213D	~~5.22~~ 45.44 RDL 12/21/95	~~44.24~~ 2.61 RDL 12/21/95	46.66
2214	Ø	12.65	Ø
2214D	Ø	12.65	Ø
2217	Ø	12.26	Ø
2217D	Ø	12.26	Ø
2417 ~~2217~~	14.4	16.54	17.25
2417D ~~2217D~~	24.8	16.54	29.71
2417T	25.6	16.54	30.67

LABCORE Data Entry Template for Worklist# 4296

Analyst: BDV **Instrument:** DSC01 **Book #** ——

Method: LA-514-113 Rev/Mod ——

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000132	BY-110	1	SAMPLE	S95T002430	0		DSC-02	SOLID	N/A	78.59		Joules/g Dry
95000132	BY-110	2	DUP	S95T002430	0		DSC-02	SOLID	78.59	79.03	N/A	Joules/g Dry
95000144	BY-110	3	SAMPLE	S95T002872	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000144	BY-110	4	DUP	S95T002872	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000144	BY-110	5	SAMPLE	S95T002880	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000144	BY-110	6	DUP	S95T002880	0		DSC-02	SOLID	Ø	11.90	N/A	Joules/g Dry
95000144	BY-110	7	SAMPLE	S95T002887	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000144	BY-110	8	DUP	S95T002887	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000144	BY-110	9	SAMPLE	S95T002894	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000144	BY-110	10	DUP	S95T002894	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	11	SAMPLE	S95T003166	0		DSC-02	SOLID	N/A	8.17		Joules/g Dry
95000171	BY-110	12	DUP	S95T003166	0		DSC-02	SOLID	8.17	8.42	N/A	Joules/g Dry
95000171	BY-110	13	SAMPLE	S95T003176	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	14	DUP	S95T003176	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	15	SAMPLE	S95T003186	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	16	DUP	S95T003186	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4296

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Data entered + verified by **Final page for worklist # 4296**

Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T00 2430	52.7	32.94	78.59
2430D	53.0	32.94	79.03
2872	Ø	15.31	Ø
2872D	Ø	15.31	Ø
2880	Ø	8.66	Ø
2880D	10.87	8.66	11.90
2887	Ø	12.86	Ø
2887D	Ø	12.86	Ø
2894	~~12.86~~ Ø	45.03	Ø
2894D	Ø	45.03	Ø
3166	6.7	18.0	8.171
3166D	6.9	18.0	8.415
3176	Ø	31.87	Ø
3176D	Ø	31.87	Ø
3186	Ø	31.7	Ø
3186D	Ø	31.7	Ø

LABCORE Data Entry Template for Worklist# 4297

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
95000171	BY-110	1	SAMPLE	S95T003187	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	2	DUP	S95T003187	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	3	SAMPLE	S95T003188	0		DSC-02	SOLID	N/A	~~17.19~~ Ø	12/18/95 BDV	Joules/g Dry
95000171	BY-110	4	DUP	S95T003188	0		DSC-02	SOLID	~~17.19~~ Ø	~~10.88~~ Ø	12/18/95 BDV N/A	Joules/g Dry
95000171	BY-110	5	SAMPLE	S95T003351	0		DSC-02	SOLID	N/A	17.19		Joules/g Dry
95000171	BY-110	6	DUP	S95T003351	0		DSC-02	SOLID	17.19	10.88	N/A	Joules/g Dry
95000171	BY-110	7	SAMPLE	S95T003359	0		DSC-02	SOLID	N/A	17.53		Joules/g Dry
95000171	BY-110	8	DUP	S95T003359	0		DSC-02	SOLID	17.53	14.55	N/A	Joules/g Dry
95000171	BY-110	9	SAMPLE	S95T003367	0		DSC-02	SOLID	N/A	8.89		Joules/g Dry
95000171	BY-110	10	DUP	S95T003367	0		DSC-02	SOLID	8.89	8.08	N/A	Joules/g Dry
95000171	BY-110	11	SAMPLE	S95T003430	0		DSC-02	SOLID	N/A	96.69		Joules/g Dry
95000171	BY-110	12	DUP	S95T003430	0		DSC-02	SOLID	96.69	98.43	N/A	Joules/g Dry
95000171	BY-110	13	SAMPLE	S95T003438	0		DSC-02	SOLID	N/A	61.05		Joules/g Dry
95000171	BY-110	14	DUP	S95T003438	0		DSC-02	SOLID	61.05	128.2	N/A	Joules/g Dry
95000171	BY-110	15	SAMPLE	S95T003446	0		DSC-02	SOLID	N/A	79.34		Joules/g Dry
95000171	BY-110	16	DUP	S95T003446	0		DSC-02	SOLID	79.34	54.15	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4297

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Data entered + verified by **Final page for worklist # 4297**

Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
895T003187	Ø	30.92	Ø
3187	Ø	30.92	Ø
3188	Ø	10.29	Ø
3188D	Ø	10.29	Ø
3351	12.8	25.54	17.19
3351D	8.1	25.54	10.88
3359	14.7	16.16	17.53
3359D	12.2	16.16	14.55
*TGA no 2 trip 3367	8.8	1.02	8.89
3367D	8.0	1.02	8.08
3430	66.6	31.12	96.69
3430D	67.8	31.12	98.43
3438	41.4	32.19	61.05
3438D	86.9	32.19	128.2
3446	61.1	22.99	79.34
3446D	41.7	22.99	54.15

LABCORE Data Entry Template for Worklist# 4298

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000171	BY-110	1 SAMPLE	S95T003454	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	2 DUP	S95T003454	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	3 SAMPLE	S95T003470	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	4 DUP	S95T003470	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	5 SAMPLE	S95T003478	0		DSC-02	SOLID	N/A	47.86		Joules/g Dry
95000171	BY-110	6 DUP	S95T003478	0		DSC-02	SOLID	47.86	145.5	N/A	Joules/g Dry
95000171	BY-110	7 TRIPL	S95T003478	0		DSC-02	SOLID	47.86	46.57	N/A	Joules/g Dry
95000171	BY-110	8 SAMPLE	S95T003486	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	9 DUP	S95T003486	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	10 SAMPLE	S95T003494	0		DSC-02	SOLID	N/A	79.67		Joules/g Dry
95000171	BY-110	11 DUP	S95T003494	0		DSC-02	SOLID	79.67	64.51	N/A	Joules/g Dry
95000171	BY-110	12 SAMPLE	S95T003462	0		DSC-02	SOLID	N/A	Ø		Joules/g Dry
95000171	BY-110	13 DUP	S95T003462	0		DSC-02	SOLID	Ø	Ø	N/A	Joules/g Dry
95000171	BY-110	14 SAMPLE	S95T003542	0		DSC-02	SOLID	N/A	29.93		Joules/g Dry
95000171	BY-110	15 DUP	S95T003542	0		DSC-02	SOLID	29.93	32.57	N/A	Joules/g Dry
95000171	BY-110	16 SAMPLE	S95T003550	0		DSC-02	SOLID	N/A	24.46		Joules/g Dry
95000171	BY-110	17 DUP	S95T003550	0		DSC-02	SOLID	24.46	72.45	N/A	Joules/g Dry

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4298

GROUP	PROJECT	S TYPE	SAMPLE#	R A -------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT

Final page for worklist # 4298

Data entered + verified by
Blandina Valenzuela 12/20/95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T003454	Ø	32.01	Ø
*TGA has a tripl 3454D	Ø	32.01	Ø
3470	Ø	32.90	Ø
3470D	Ø	32.90	Ø
3478	29.8	37.73	47.86
*tripl site 3478D	90.6	37.73	145.5
3486	Ø	33.08	Ø
3486D	Ø	33.08	Ø
3494	51.8	34.98	79.67
3494D	42.0	34.98	64.51
3462	Ø	28.13	Ø
3462D	Ø	28.13	Ø
3542	20.4	31.84	29.93
3542D	22.2	31.84	32.57
3550	16.0	34.58	24.46
3550D	47.4	34.58	72.45

tripl 3478 29.0 37.73 46.57 Blandina Valenzuela 12/18/95

LABCORE Data Entry Template for Worklist# 4299

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSCs for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000171	BY-110	1 SAMPLE	S95T003558	0		DSC-02	SOLID	N/A	~~33.05~~ 48.84		Joules/g Dry
95000171	BY-110	2 DUP	S95T003558	0		DSC-02	SOLID	~~33.~~ 48.84	85.74	N/A	Joules/g Dry
95000171	BY-110	3 SAMPLE	S95T003566	0		DSC-02	SOLID	N/A	100.9		Joules/g Dry
95000171	BY-110	4 DUP	S95T003566	0		DSC-02	SOLID	100.9	94.34	N/A	Joules/g Dry

Final page for worklist # 4299

Data entered + verified by
Blandina Valenzuela 12-18-95

Analyst Signature **Date**

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BY-110

CALCULATED DRY DSC			
SAMPLE NO.	DSC RESULT (J/g)	TGA RESULT (% water)	DRY DSC RESULT
S95T00 3558	32.7	33.05	48.84
3558D	57.4	33.05	85.74
3566	63.3	37.25	100.9
3566D	59.2	37.25	94.34

LABCORE Data Entry Template for Worklist# 4418

Analyst: ADP **Instrument:** DSC01 **Book #** 12N14B

Method: LA-514-113 Rev/Mod C-1

Worklist Comment: Please run BY-110 DSCs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				DSC-01	LIQUID	28.45	29.0*	N/A	Joules/g
95000171	BY-110	2 SAMPLE	S95T003574	0		DSC-01	LIQUID	N/A	25.6		Joules/g
95000171	BY-110	3 DUP	S95T003574	0		DSC-01	LIQUID	25.6	Ø	N/A	Joules/g

Final page for worklist # 4418

B Valenzuela for ADPurington
Analyst Signature **Date** 12/19/95

Verified by Blandina Valenzuela 12/20/95

Analyst Signature **Date**

Data Entry Comments: Sample produced a large endotherm at 129.0°C with a delta H 807.3 J/g

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 495 TO 497.

DSC STD 12N14B

8.127 mg

Rate: 10.0 °C/min

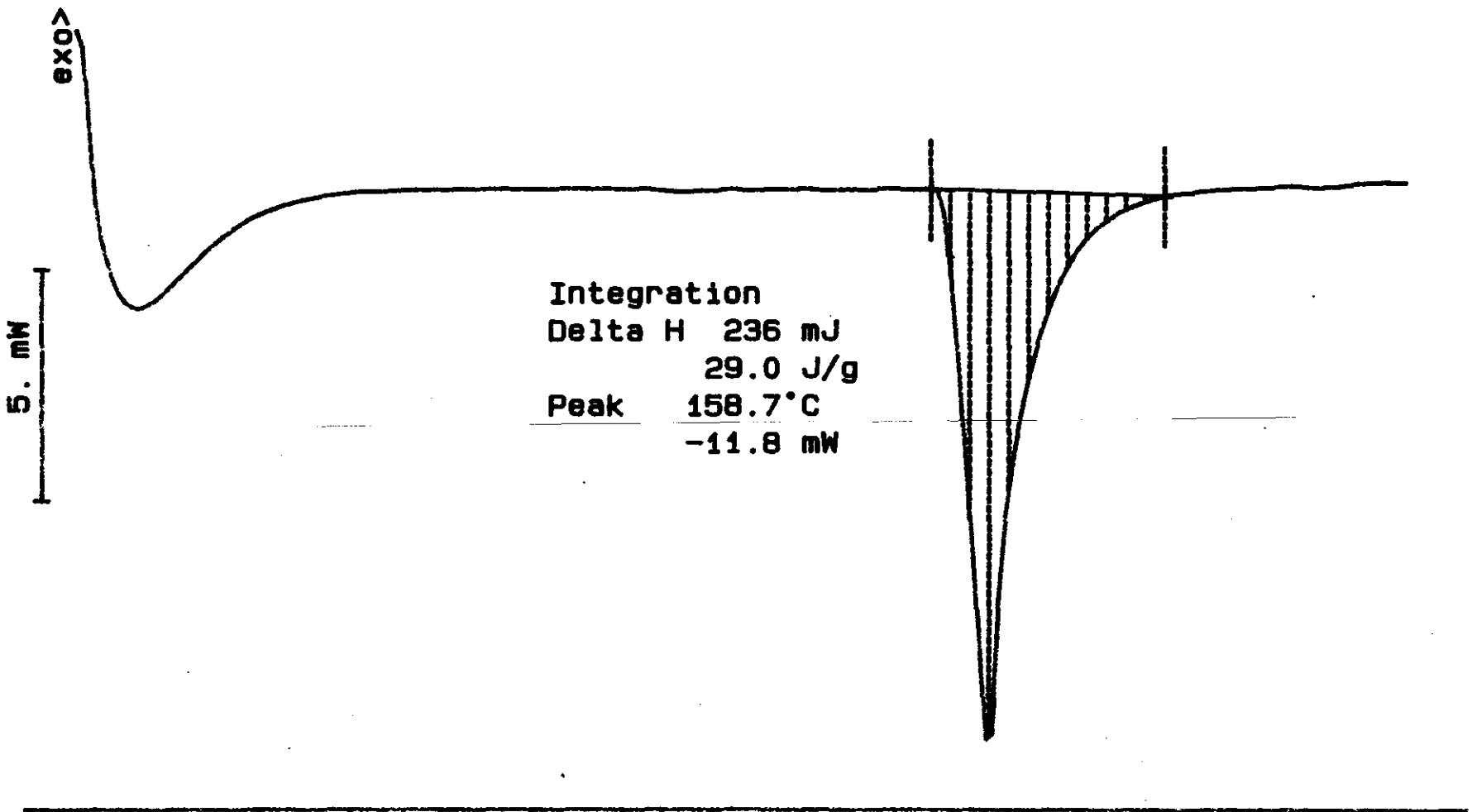
File: 00001.001

Ident: 0.0

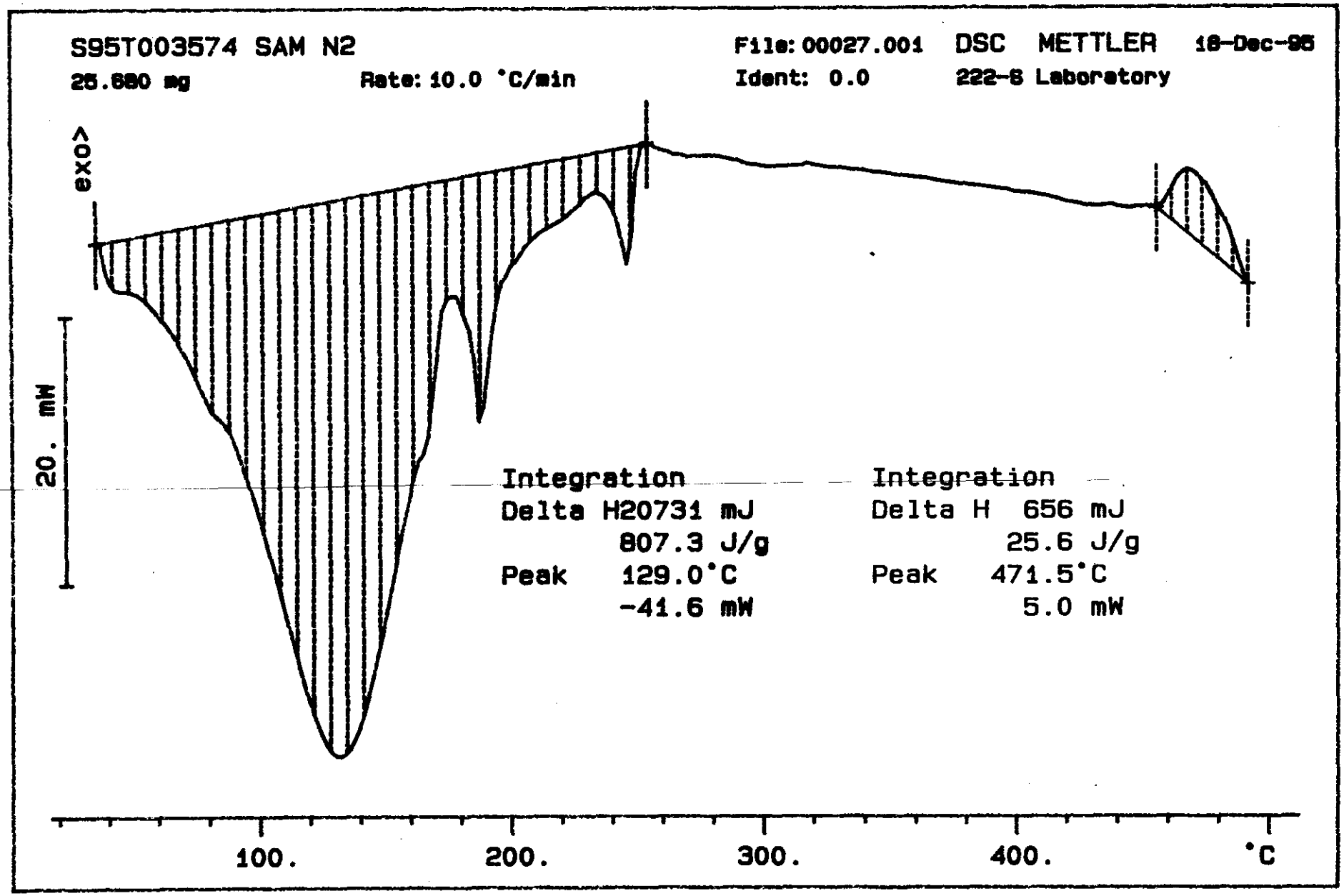
DSC METTLER

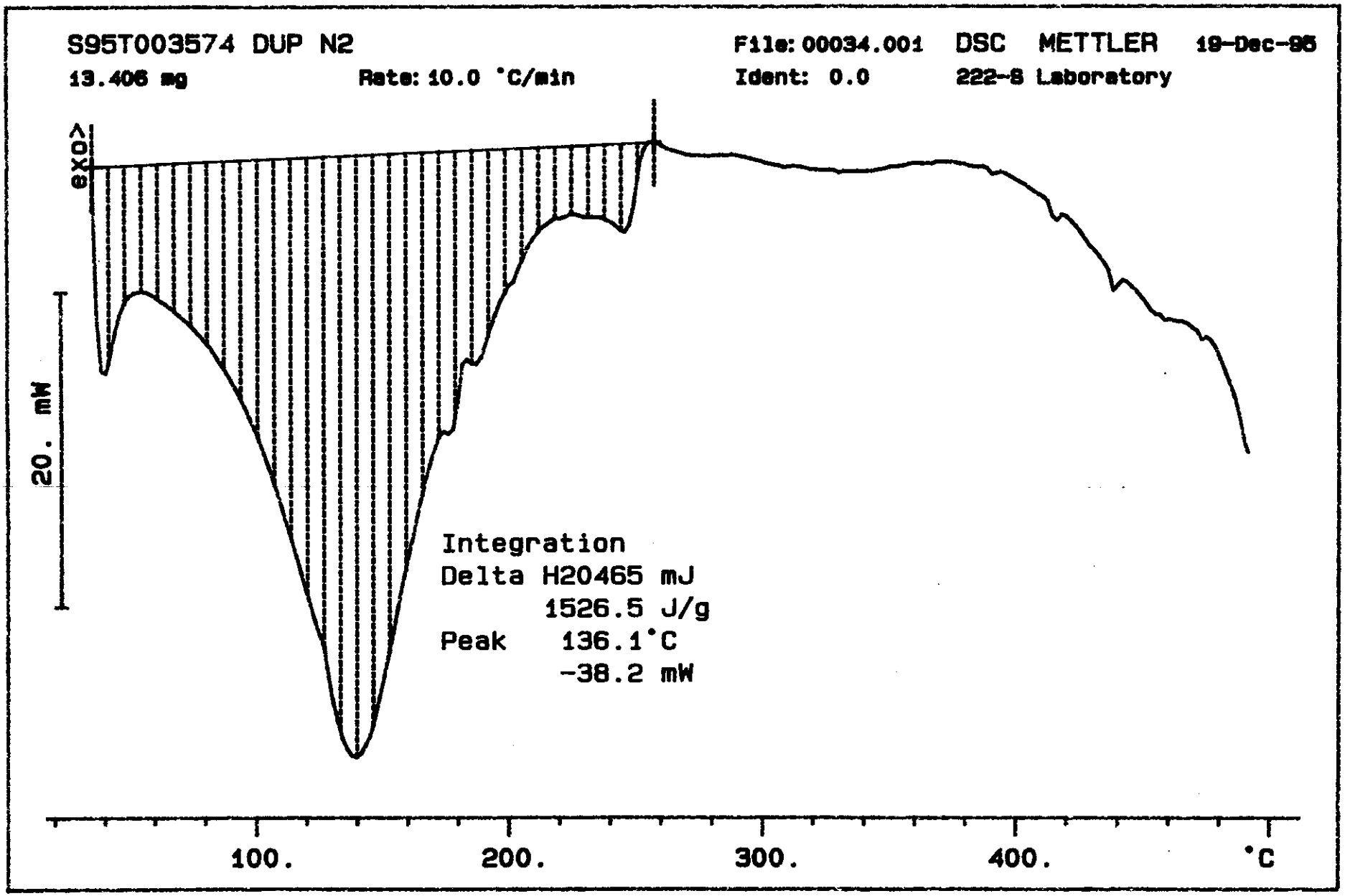
222-8 Laboratory

17-Dec-95



Anthony Turnuta 12-18-95


S95T003574 SAM N2
25.680 mg
Rate: 10.0 °C/min
File: 00027.001
Ident: 0.0
DSC METTLER
222-S Laboratory
18-Dec-95
exo>
20. mW
Integration
Delta H20731 mJ
807.3 J/g
Peak 129.0°C
-41.6 mW
Integration
Delta H 656 mJ
25.6 J/g
Peak 471.5°C
5.0 mW
100.
200.
300.
400.
°C


S95T003574 DUP N2
13.406 mg
Rate: 10.0 °C/min
File: 00034.001
Ident: 0.0
DSC METTLER
222-S Laboratory
19-Dec-95
exo>
20. mW
Integration
Delta H20465 mJ
1526.5 J/g
Peak 136.1°C
-38.2 mW
100.
200.
300.
400.
°C

LABCORE Data Entry Template for Worklist# 4423

Analyst: BDV **Instrument:** DSC01 **Book #** —

Method: LA-514-113 Rev/Mod —

Worklist Comment: Dry DSC for BY-110. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
95000171	BY-110	1 SAMPLE	S95T003574	0		DSC-02	LIQUID	N/A	41.50		Joules/g Dry
95000171	BY-110	2 DUP	S95T003574	0		DSC-02	LIQUID	41.50	Ø	N/A	Joules/g Dry

Data entered + verified by **Final page for worklist # 4423**

Blandina Valenzuela 12/20/95

Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2165

Analyst: SMF **Instrument:** TGA0 3 **Book #** 65N8-A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.96	N/A	%
95000095	BY-110	2	SAMPLE	S95T001740	0		TGA-03	SOLID	N/A	7.42		%
95000095	BY-110	3	DUP	S95T001740	0		TGA-03	SOLID	7.42	1.76	N/A	%
95000095	BY-110	4	SAMPLE	S95T001741	0		TGA-03	SOLID	N/A	11.89		%
95000095	BY-110	5	DUP	S95T001741	0		TGA-03	SOLID	11.89	12.13	N/A	%

Final page for worklist # 2165

See attached for signatures

Analyst Signature **Date** 9-28-95 **Analyst Signature** **Date**

Entered by J M Fryer BDN KT Steele 9/29/95

Verified by Blandina Valenzuela 10-2-95

S95T001740 produced a second weight loss step of .54% at approximately 425°C

Data Entry Comments: S95T001741 produced a second weight loss step of .23% at approximately 425°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2165

Analyst: SMF **Instrument:** TGA0 _____ **Book #** 65N8A

Method: ~~LA-560-112~~ SM Rev/Mod LA-5M-114/C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000095	BY-110	2	SAMPLE	S95T001740	0		TGA-01	SOLID	N/A			%
95000095	BY-110	3	DUP	S95T001740	0		TGA-01	SOLID			N/A	%
95000095	BY-110	4	SAMPLE	S95T001741	0		TGA-01	SOLID	N/A			%
95000095	BY-110	5	DUP	S95T001741	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2165

Susie M. Fulton 9-25-95
Analyst Signature **Date** 2330

Analyst Signature **Date**

Other instruments were used
9-28-95 BDV
9-28-95 BDV

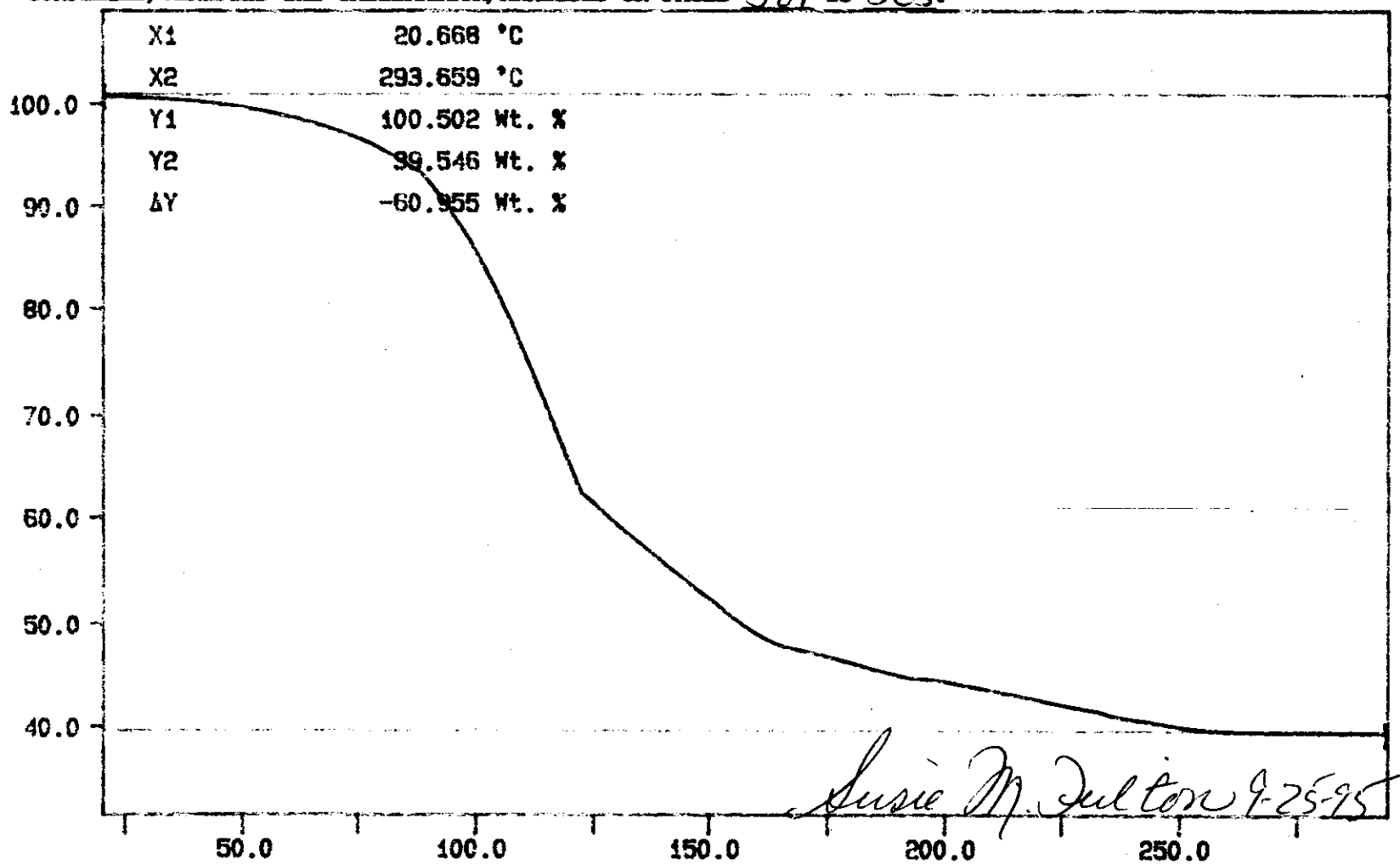
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER092502 Mon Sep 25 16:28:00 1995
Sample Weight: 14.436 mg
65N8-A Terliq

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 501 TO 505.



Susie M. Fulton 9-25-95

N2 10C/MIN
TEMP1: 30.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 16:29:10 1995

Curve 1: T6A
File info: TER092503 Mon Sep 25 19:07:10 1995
Sample Weight: 10.727 mg
S95T001740, at 10C/min

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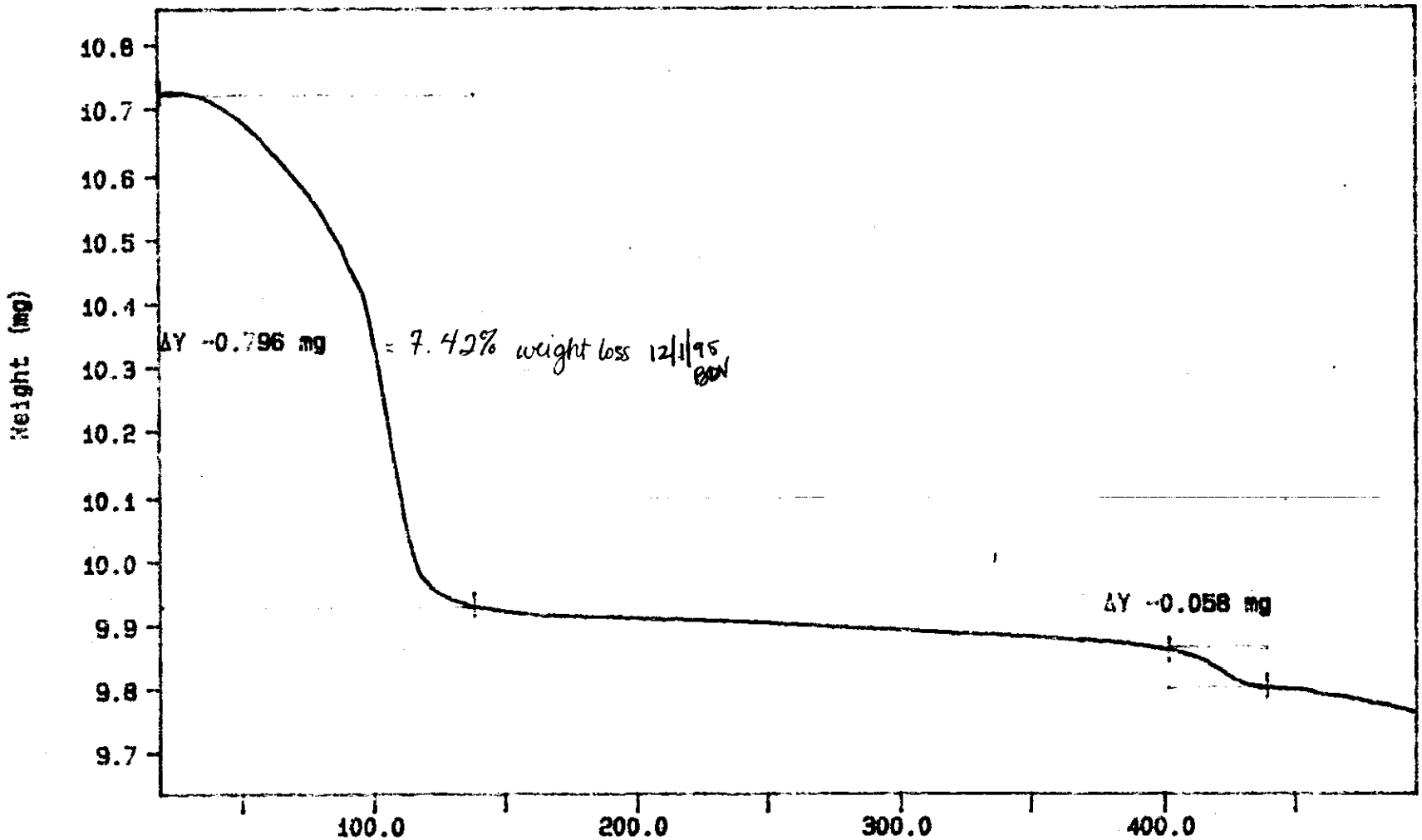
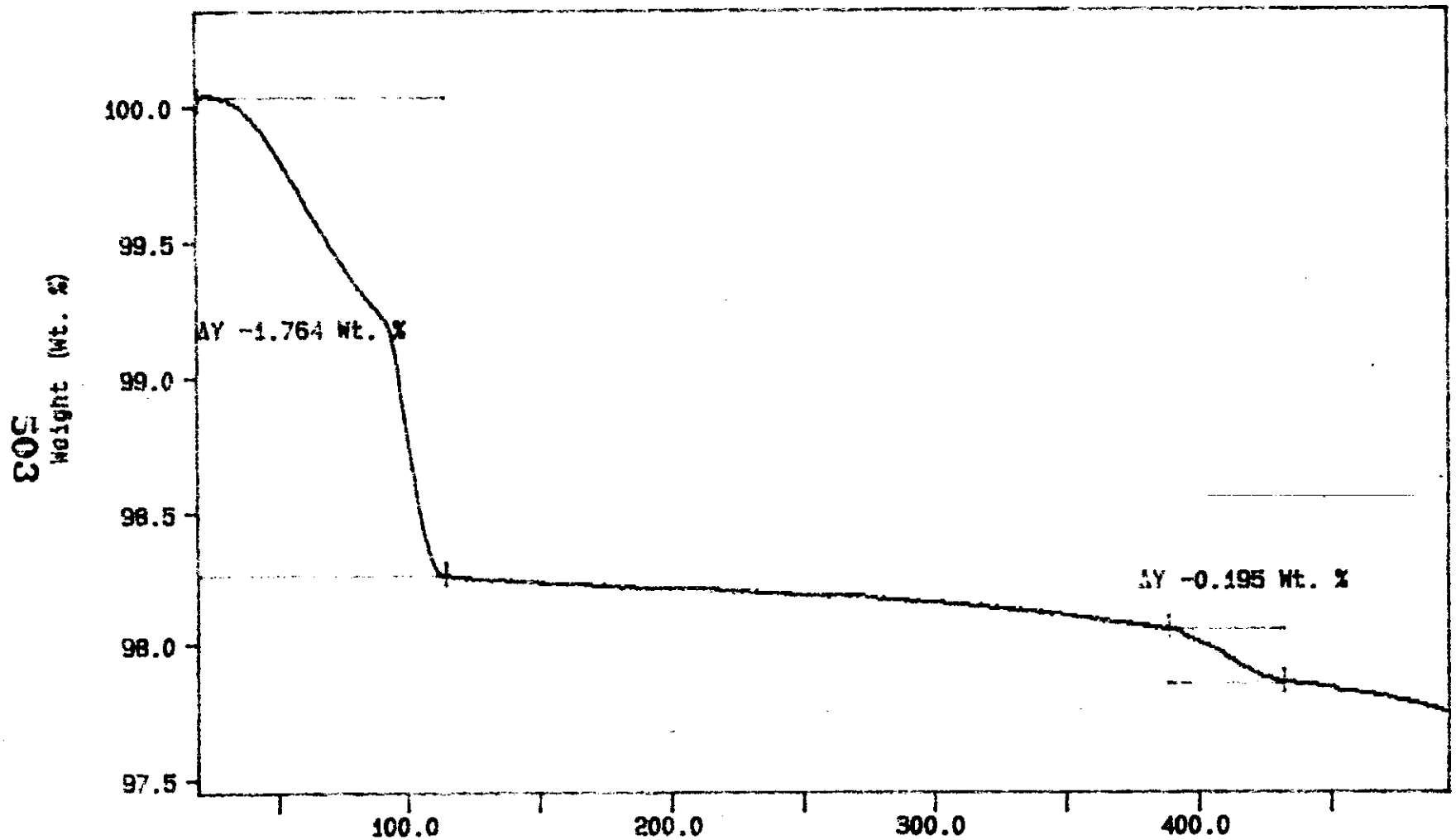


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 19:16:50 1995

Curve 1: TGA
File info: SAM092504 Mon Sep 25 20:25:12 1995
Sample Weight: 16.674 mg
S95T001740 DUP. at 10C/min

BEST AVAILABLE COPY

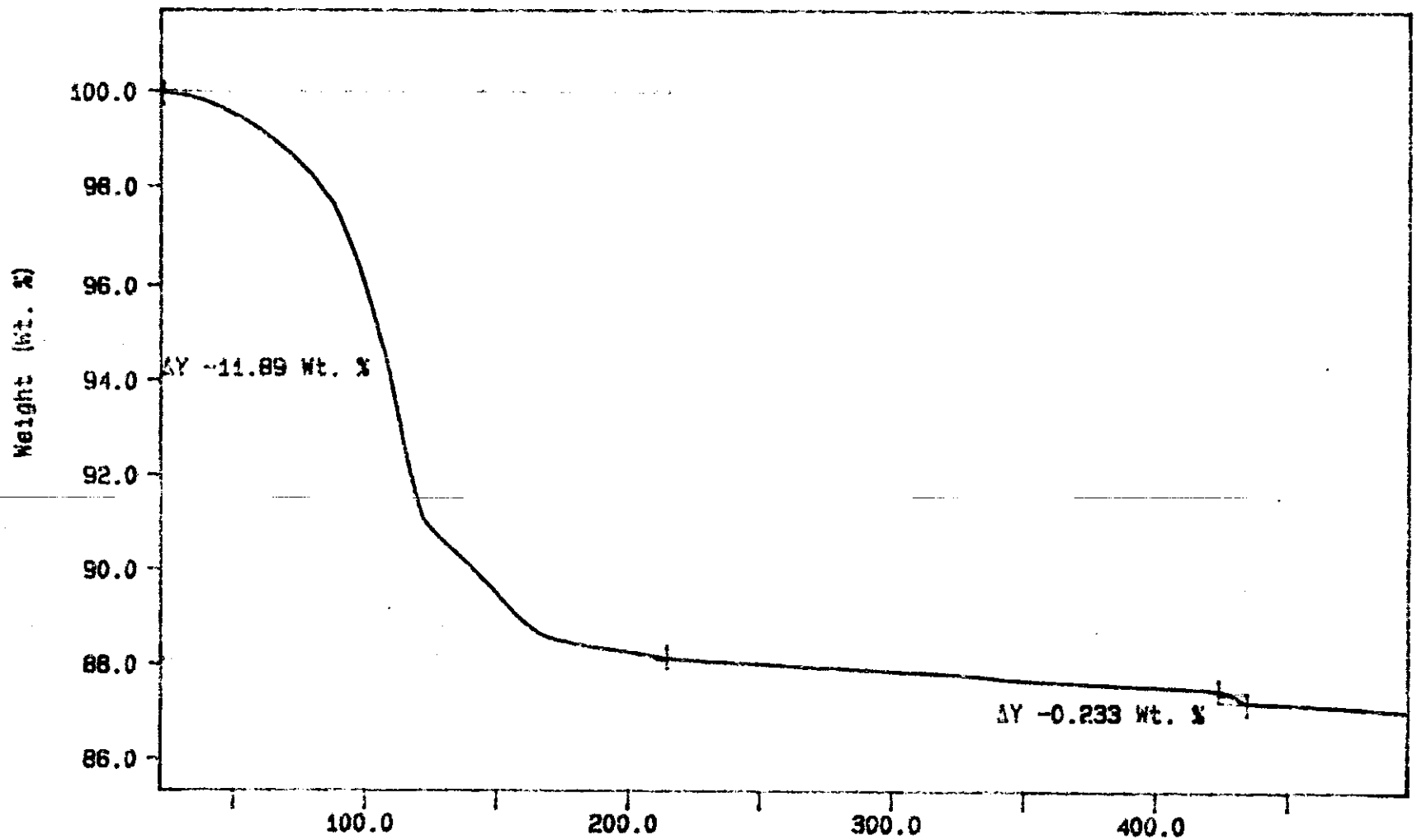


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 20:59:39 1995

Curve 1: TGA
File info: SAM092505 Mon Sep 25 21:53:12 1995
Sample Weight: 22.405 mg
S95T001741, at 10C/min

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

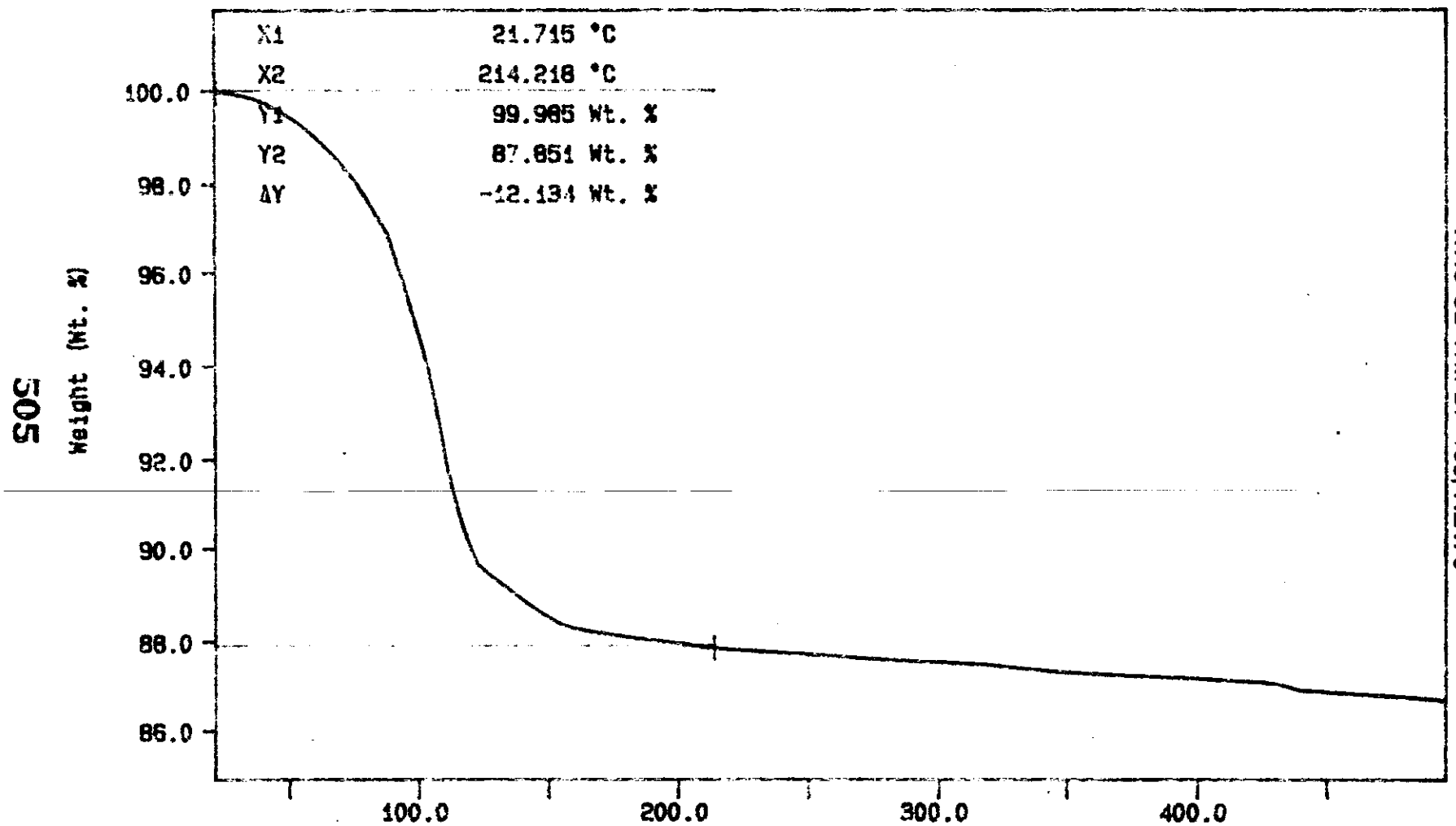
SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 22:02:49 1995

504

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM092506 Mon Sep 25 23:07:31 1995
Sample Weight: 14.133 mg
S95T001741 DUP, at 10C/min

BEST AVAILABLE COPY



N2
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 23:13:03 1995

LABCORE Data Entry Template for Worklist# 2166

Analyst: DCD **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.52	N/A	%
95000095	BY-110	2	SAMPLE	S95T001742	0		TGA-01	SOLID	N/A	15.65		%
95000095	BY-110	3	DUP	S95T001742	0		TGA-01	SOLID	15.65	14.26	N/A	%
		4	STD				TGA-01	SOLID	59.74	60.26	N/A	%
95000095	BY-110	5	SAMPLE	S95T001743	0		TGA-01	SOLID	N/A	18.60		%
95000095	BY-110	6	DUP	S95T001743	0		TGA-01	SOLID	18.60	16.73	N/A	%

Final page for worklist # 2166

See attached for signatures
Analyst Signature **Date** 10-2-95 BDV

Verified by Blandina Valenzuela 10-5-95

[signature] 10-5-95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2166

Analyst: DCD **Instrument:** TGA0 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000095	BY-110	2	SAMPLE	S95T001742	0		TGA-01	SOLID	N/A			%
95000095	BY-110	3	DUP	S95T001742	0		TGA-01	SOLID			N/A	%
95000095	BY-110	4	SAMPLE	S95T001743	0		TGA-01	SOLID	N/A			%
95000095	BY-110	5	DUP	S95T001743	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2166

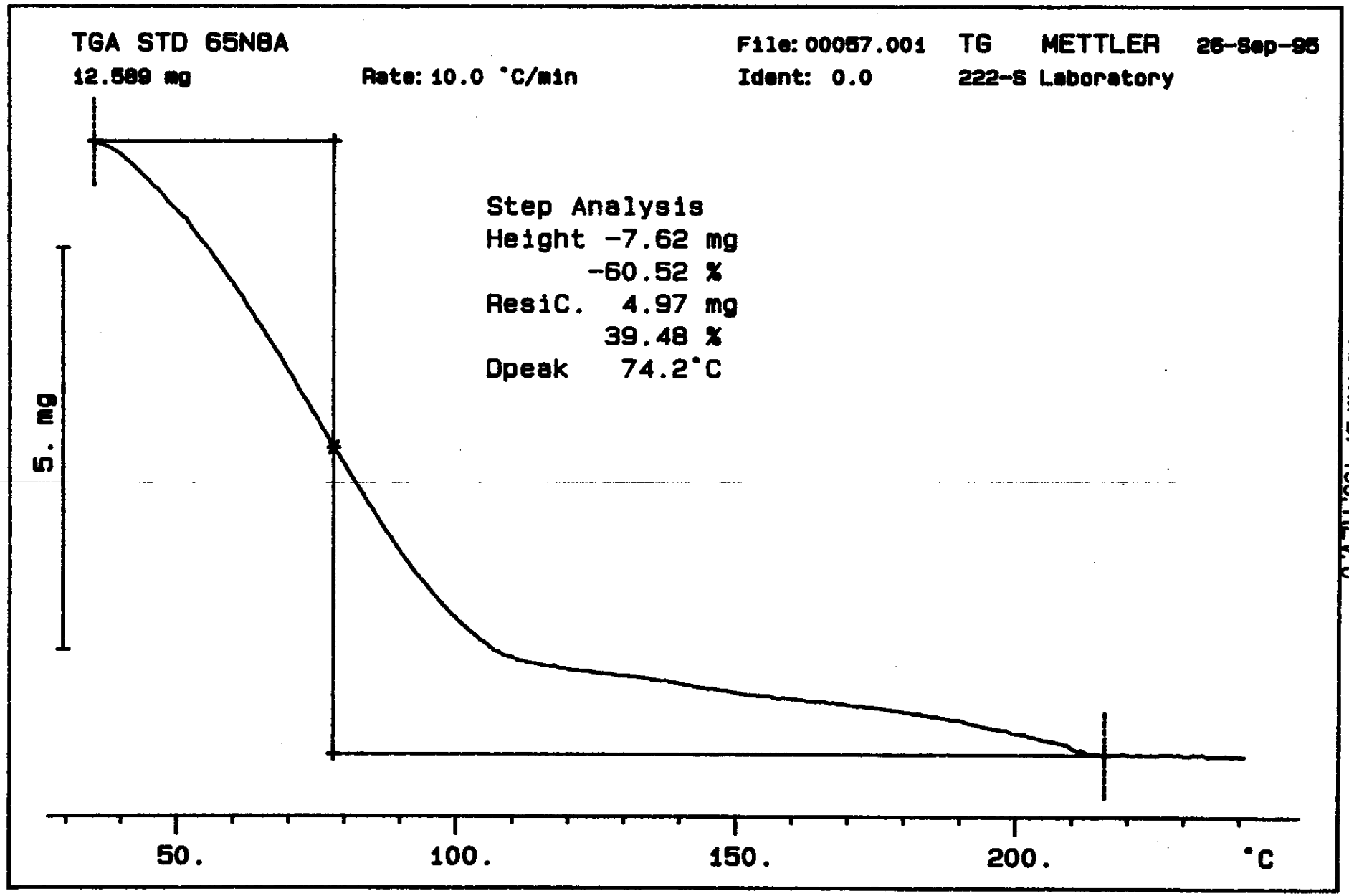
David C Dunham 9-30-95

Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

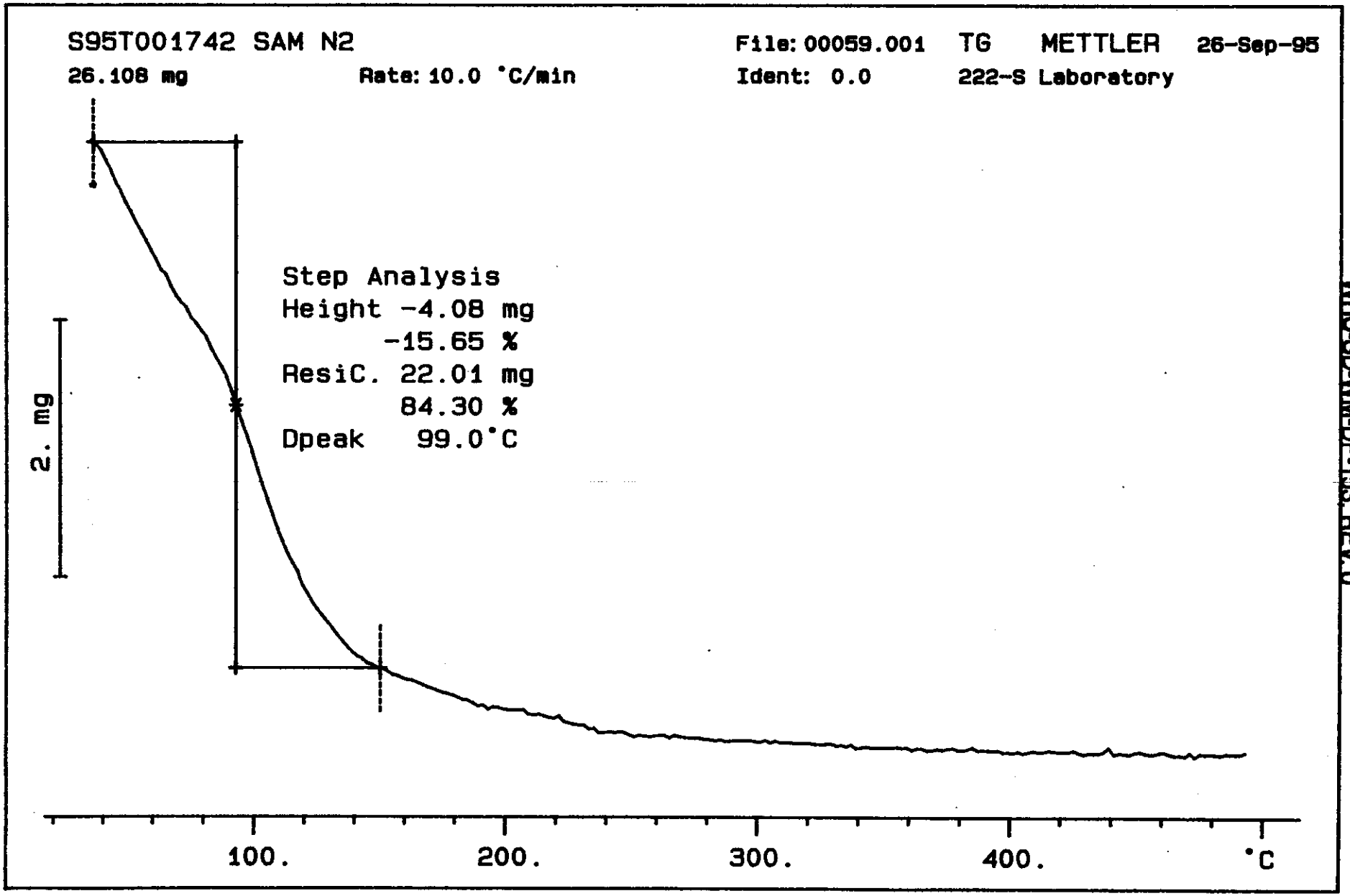
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 508 TO 513. BEST AVAILABLE COPY



David C Dunham 9-26-95

BEST AVAILABLE COPY



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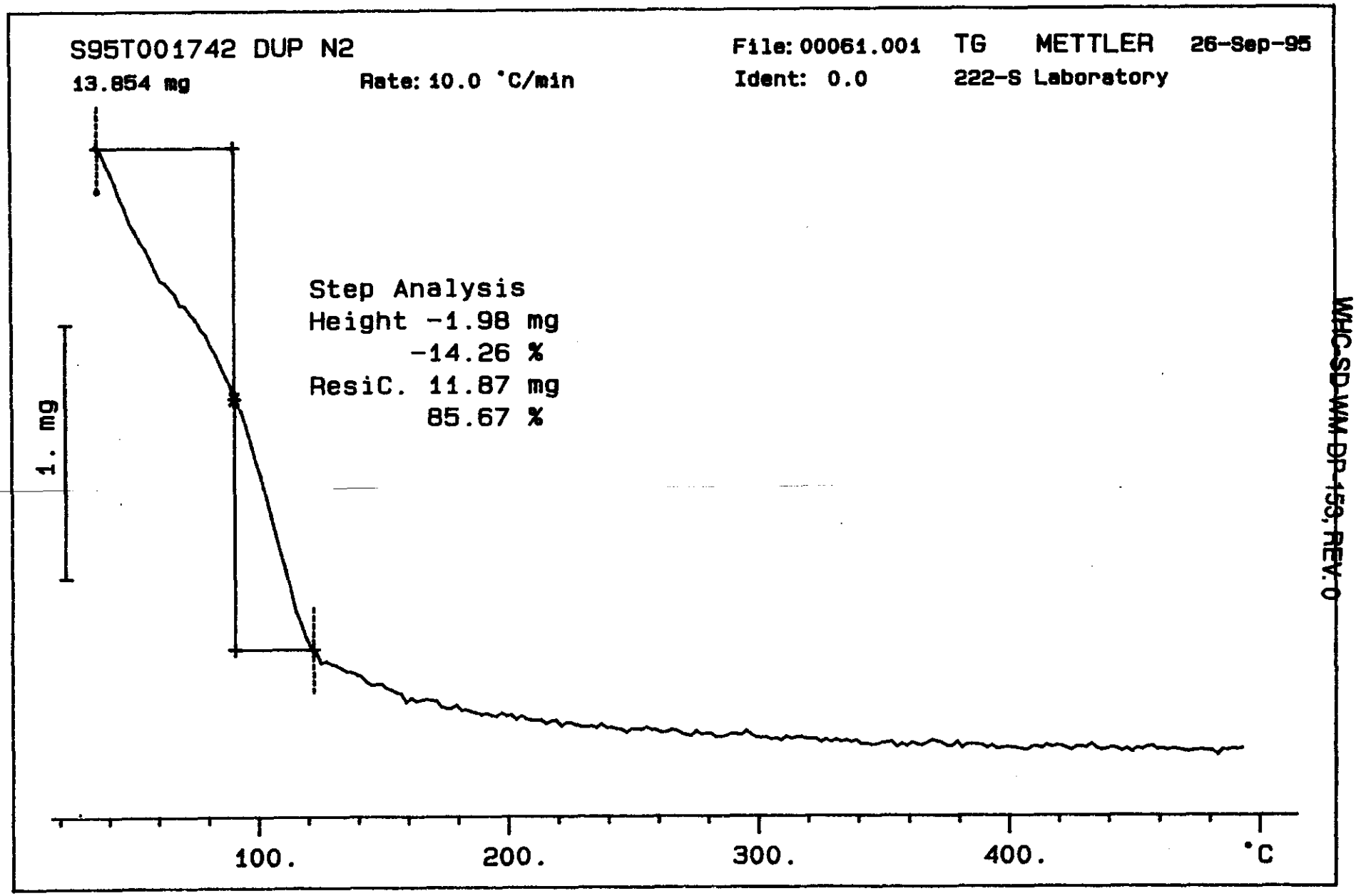

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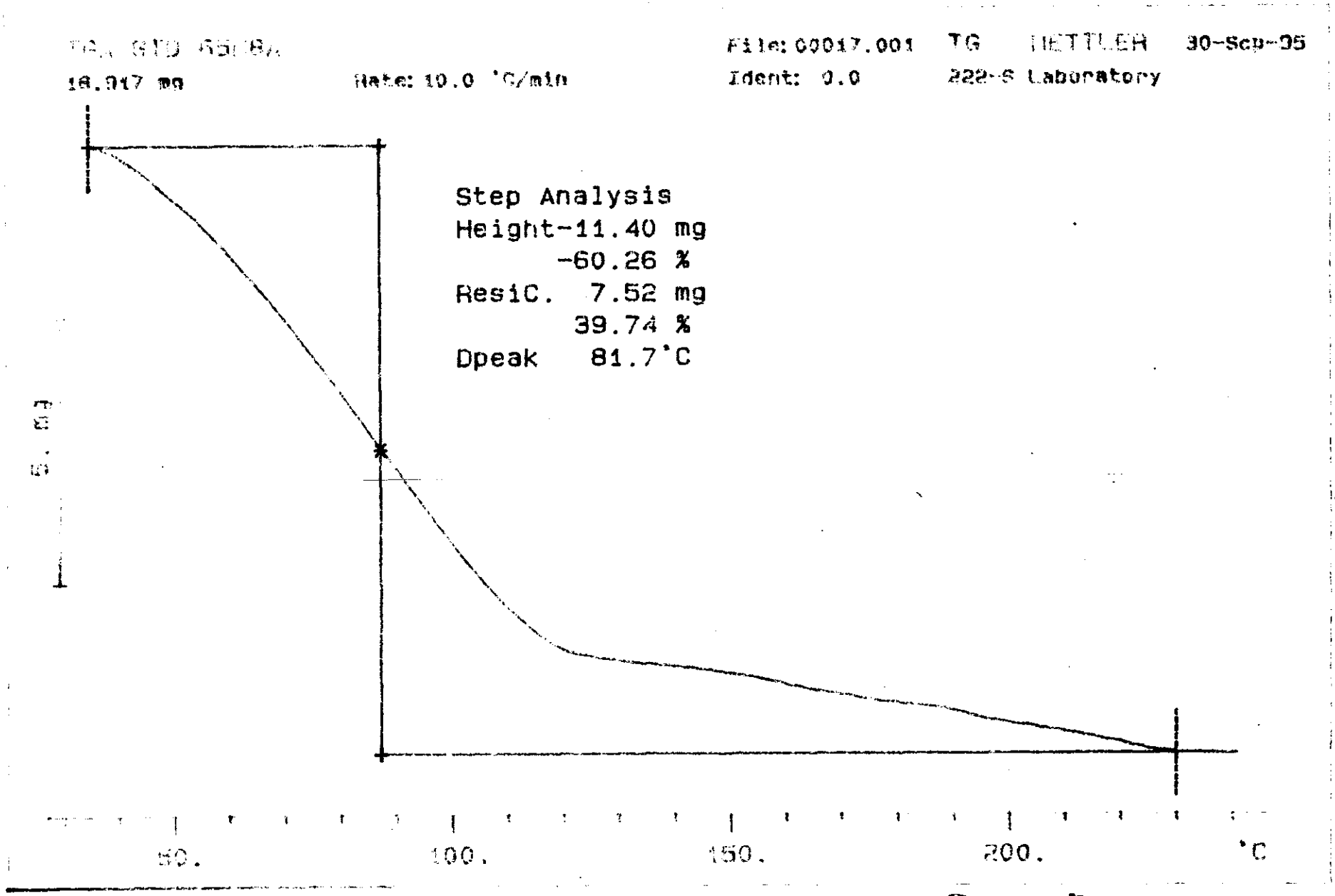
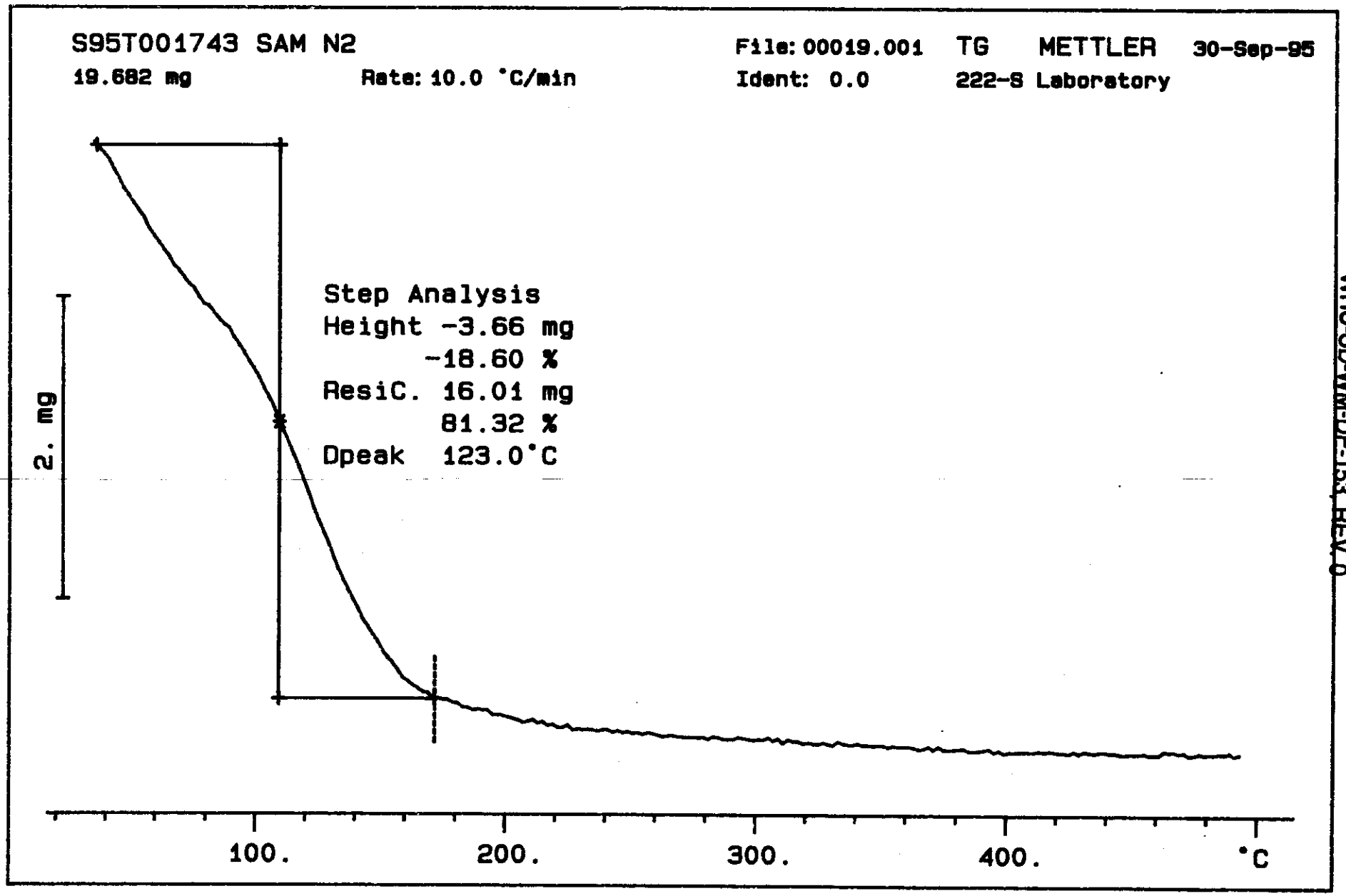


David C Dunlap 9-30-95

BEST AVAILABLE COPY



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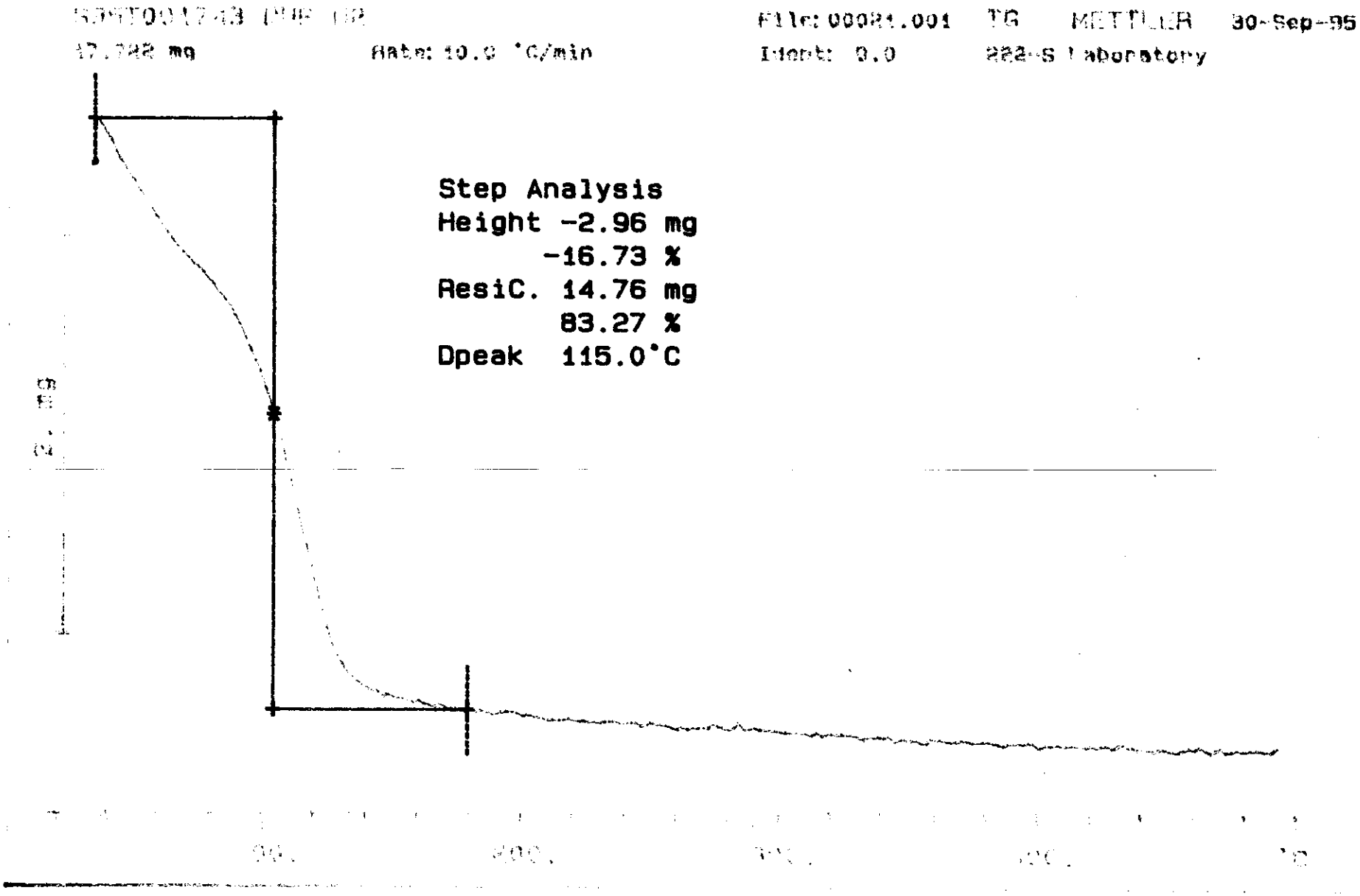


LABCORE Data Entry Template for Worklist# 2167

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod BO

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.36	N/A	%
95000095	BY-110	2 SAMPLE	S95T001744	0		TGA-01	SOLID	N/A	3.96		%
95000095	BY-110	3 DUP	S95T001744	0		TGA-01	SOLID	3.96	19.76	N/A	%
95000095	BY-110	4 SAMPLE	S95T001745	0		TGA-01	SOLID	N/A	11.14		%
95000095	BY-110	5 DUP	S95T001745	0		TGA-01	SOLID	11.14	8.90	N/A	%

Final page for worklist # 2167

Anthony Purintor 9-27-95
Analyst Signature **Date**

Analyst Signature **Date**

Verified by Blandina Valenzuela 9-28-95

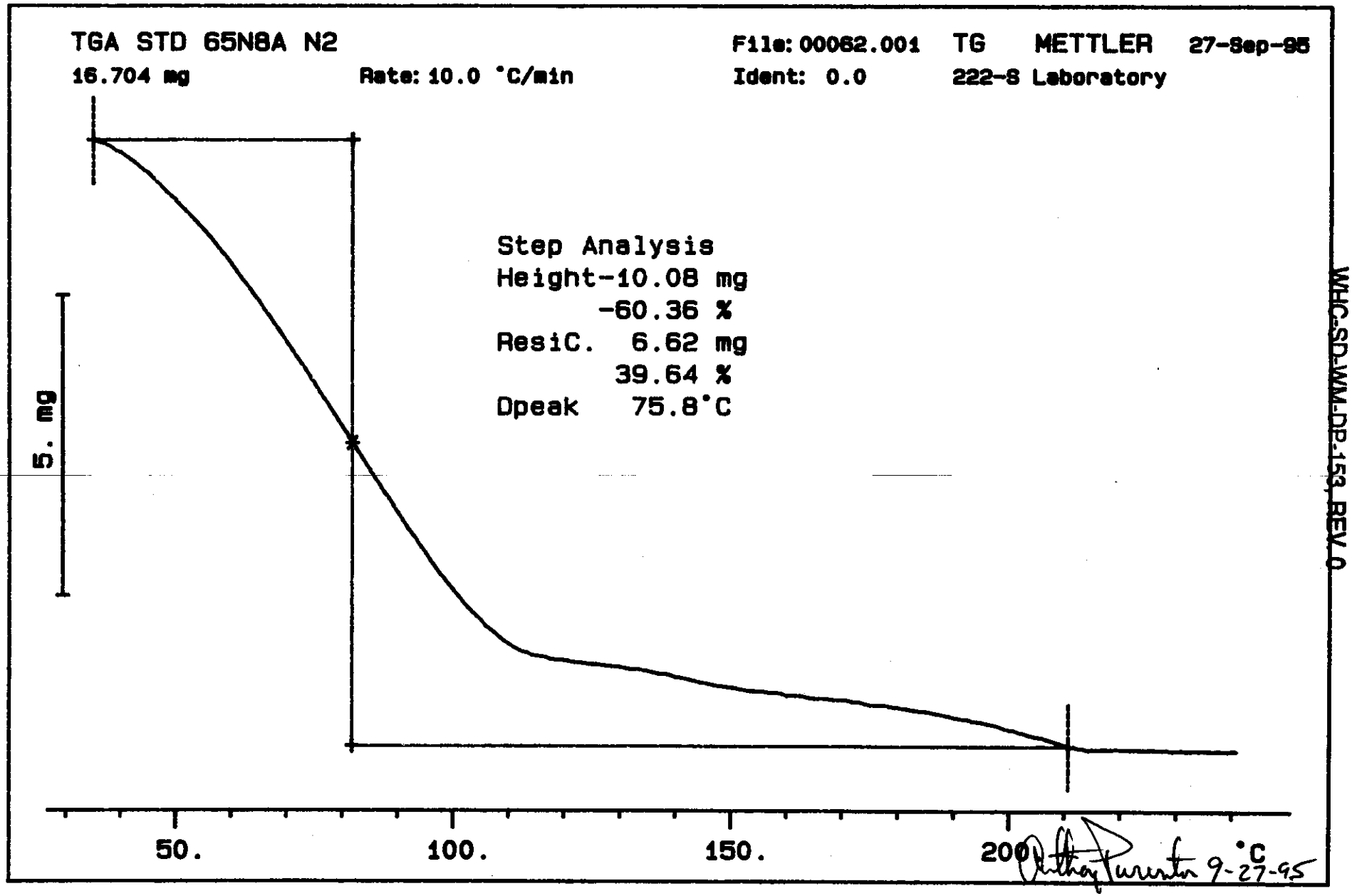
S95T001744

Data Entry Comments: The small amount of weight loss of the sample is probably due to a crystal. ~~within the~~ 9-27-95 BDV The vibration seen is due to the fact the sample was close to the lower detection limit of the instrument

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

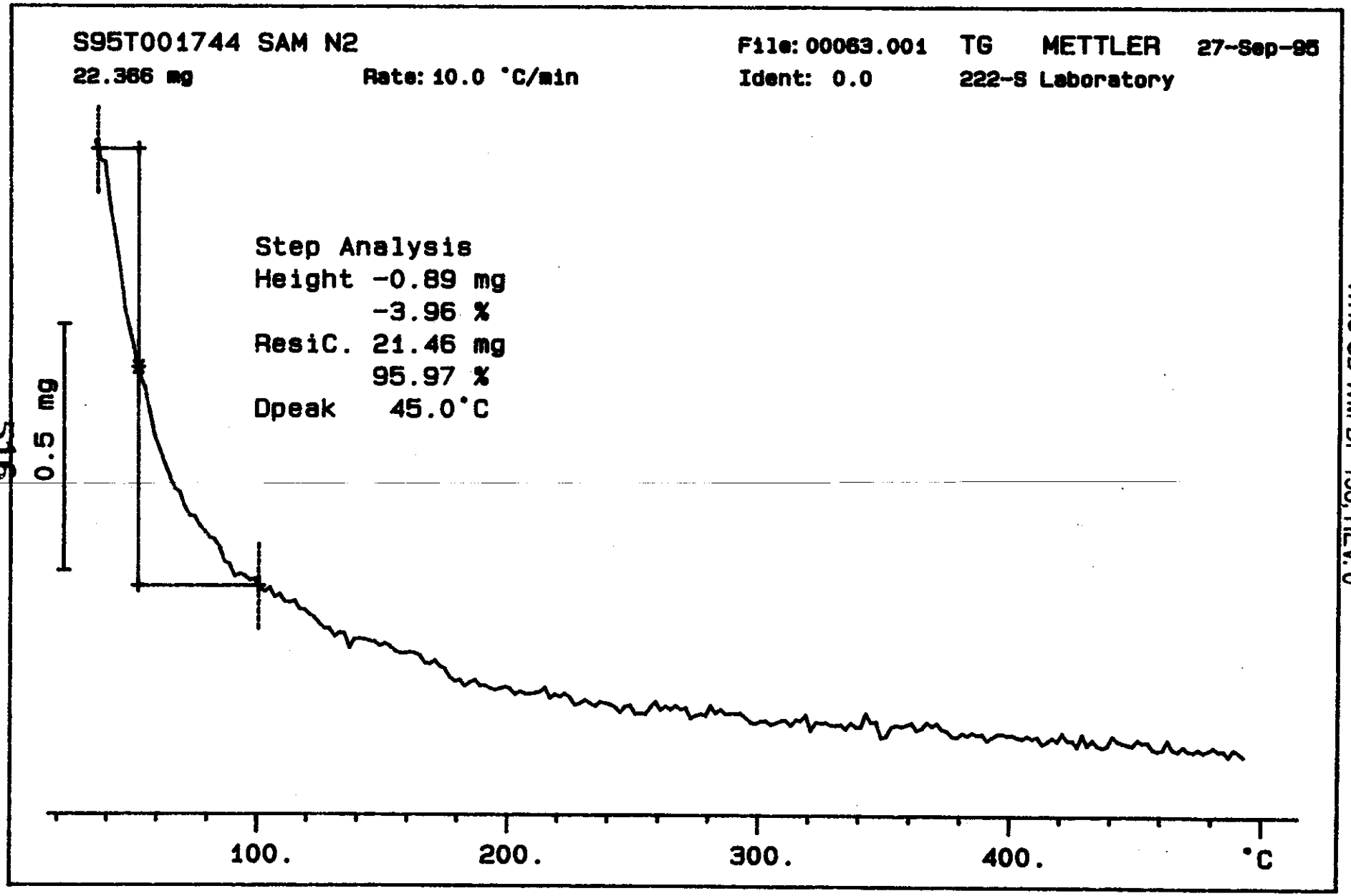
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 515 TO 519.

BEST AVAILABLE COPY



Cathy Parente 9-27-95

BEST AVAILABLE COPY



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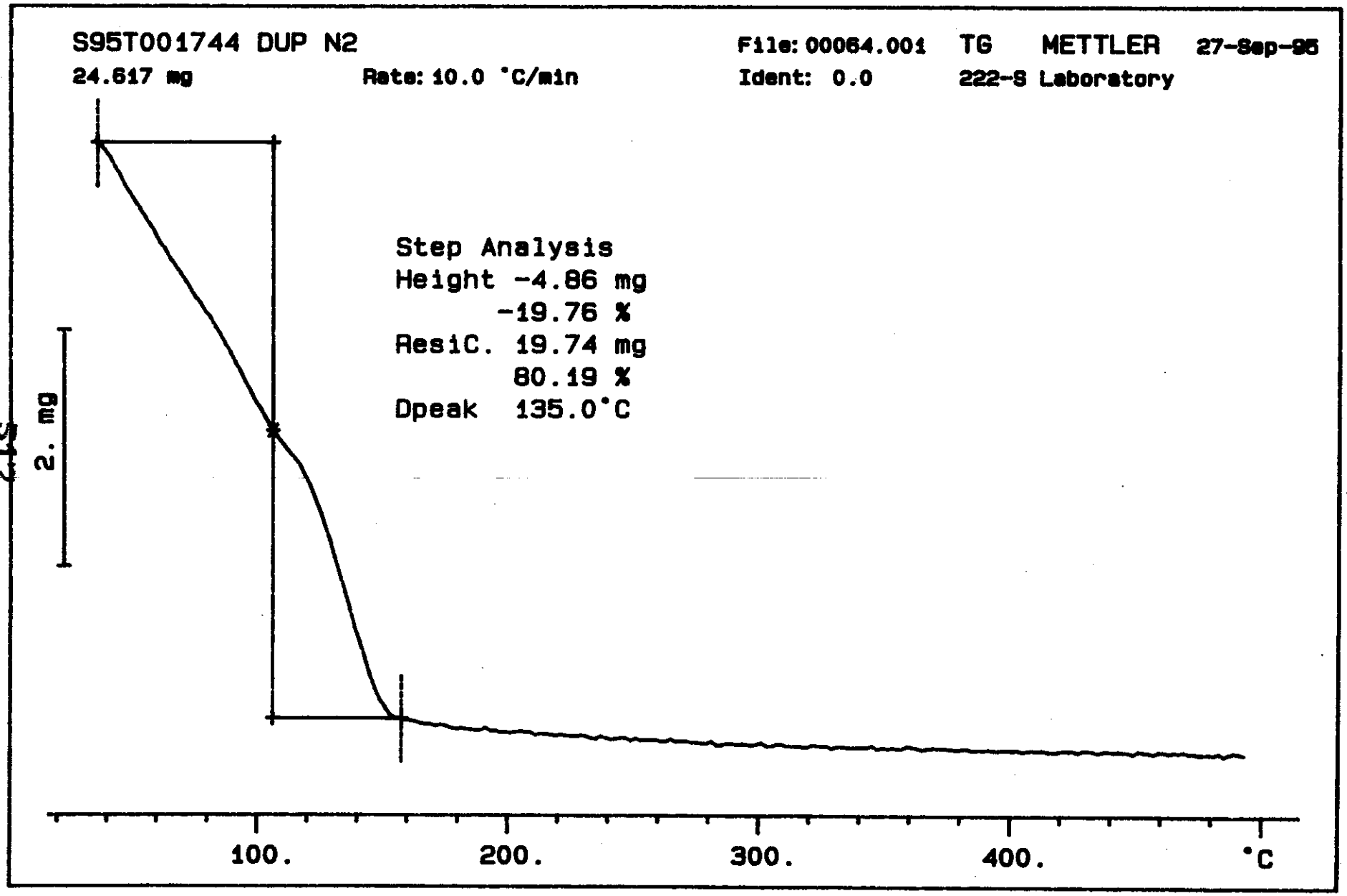

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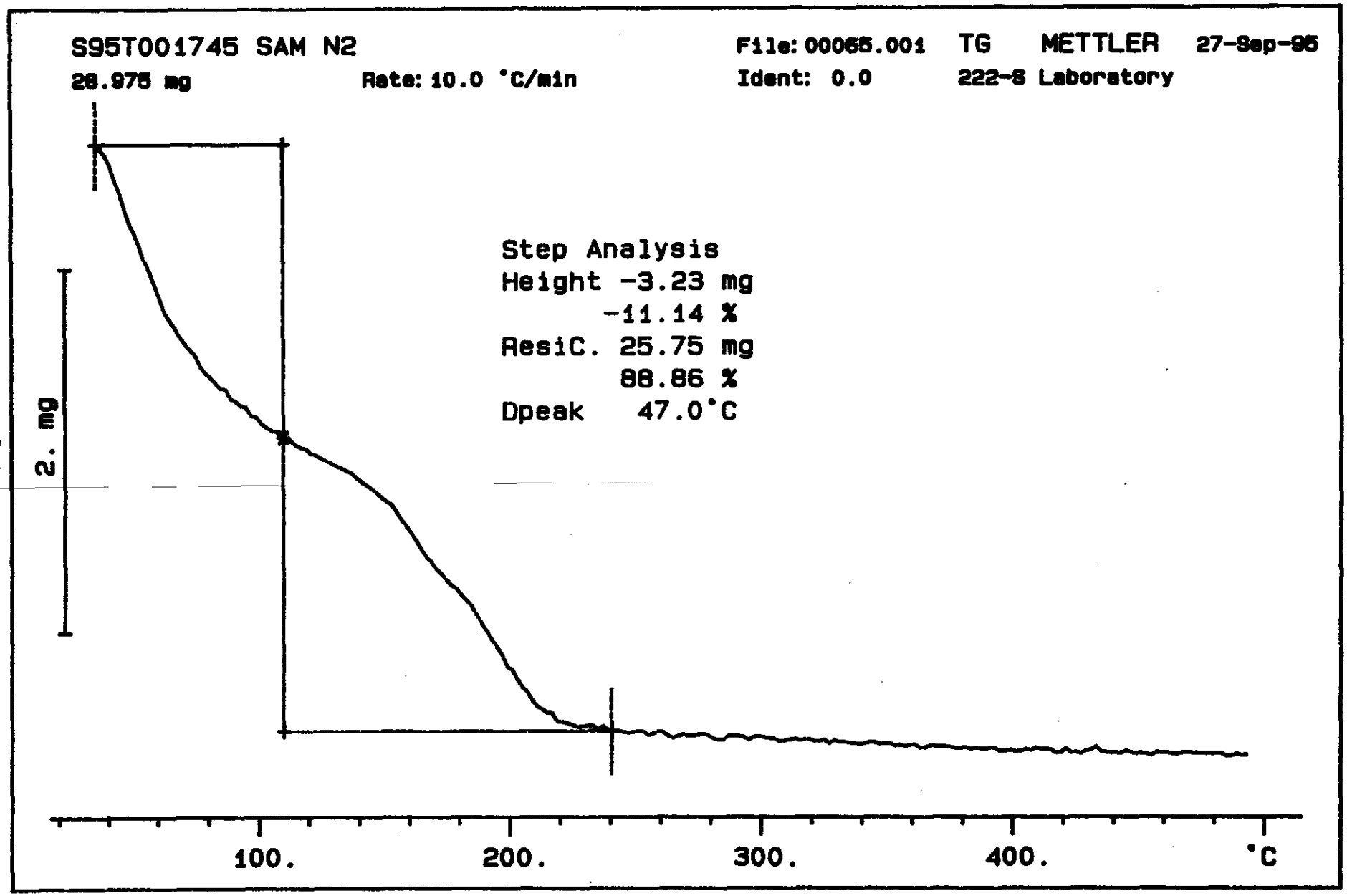
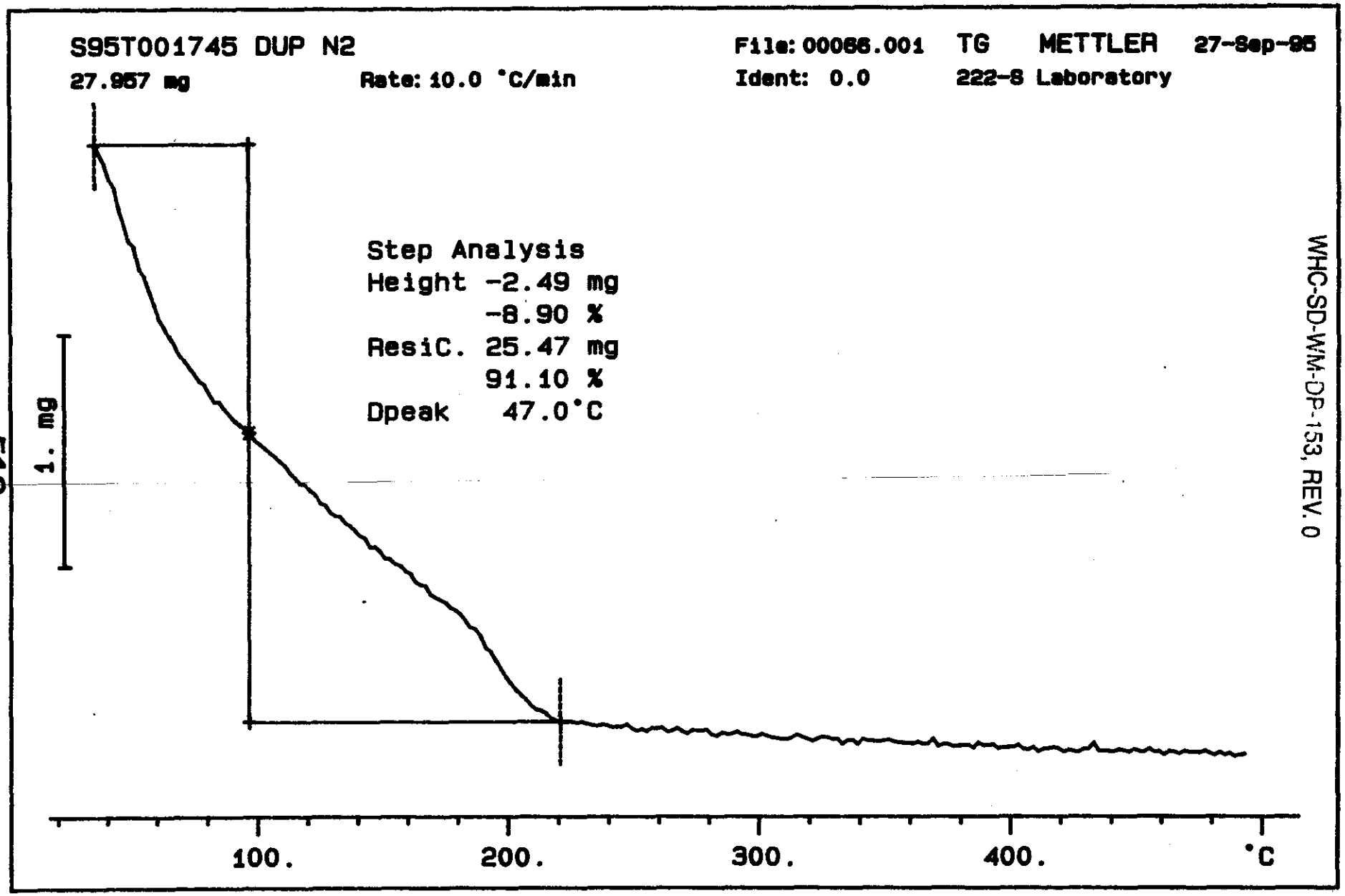


BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2168

Analyst: JDS **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

19

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	10-5-95 bdv 59.74	59.11	N/A	%
95000095	BY-110	2	SAMPLE	S95T001799	0		TGA-01	SOLID	N/A	30.61		%
95000095	BY-110	3	DUP	S95T001799	0		TGA-01	SOLID	30.61	29.12	N/A	%
95000116	BY-110	4	SAMPLE	S95T001614	0		TGA-01	SOLID	N/A	15.52		%
95000116	BY-110	5	DUP	S95T001614	0		TGA-01	SOLID	15.52	13.21	N/A	%

Final page for worklist # 2168

Jdk Spk 10-4-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

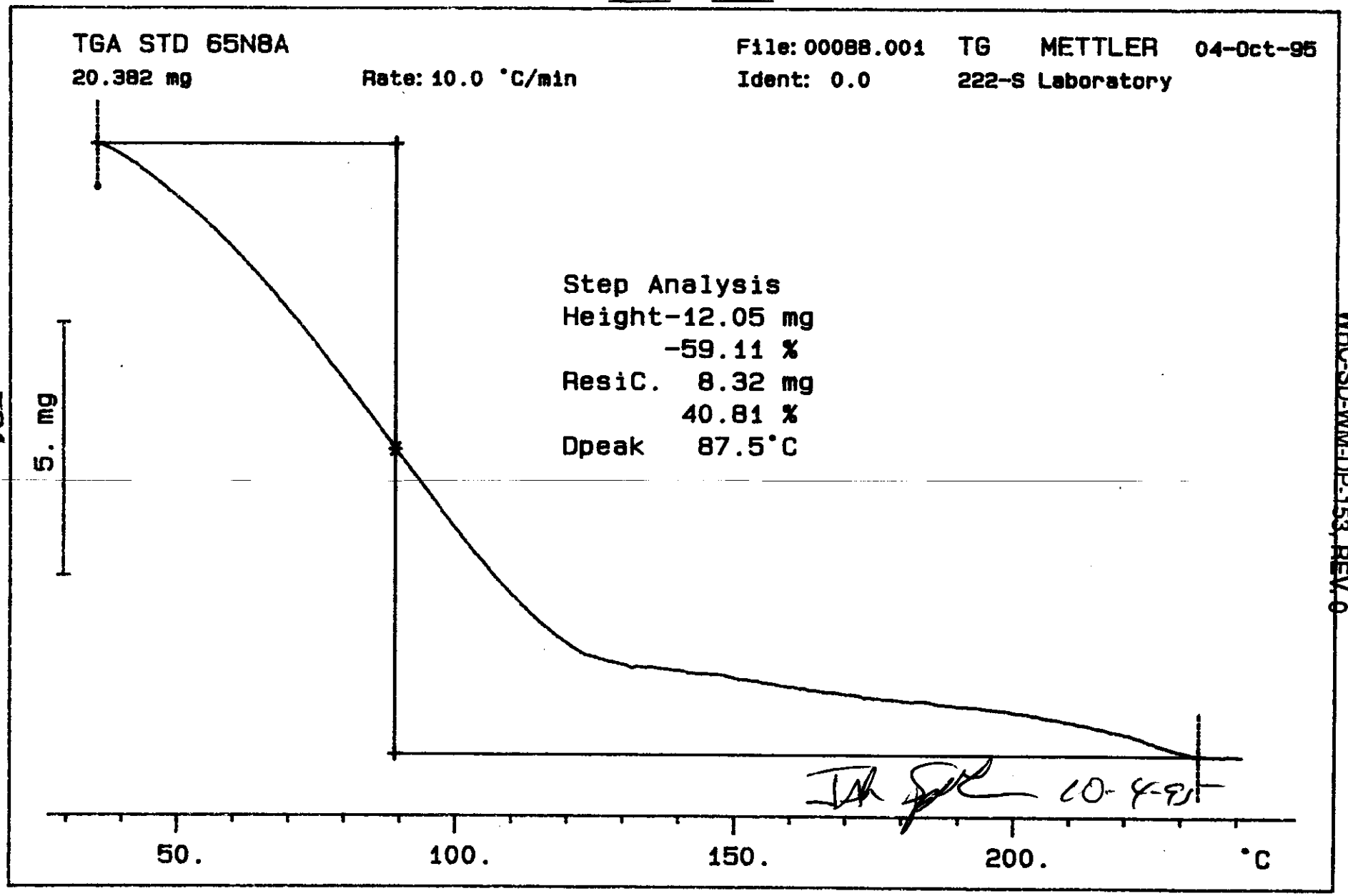
Jerry Hammitt 10-5-95
Analyst Signature **Date**

Data Entry Comments: S95T001799 produced a second weight loss step of 9.83% at approximately 210°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

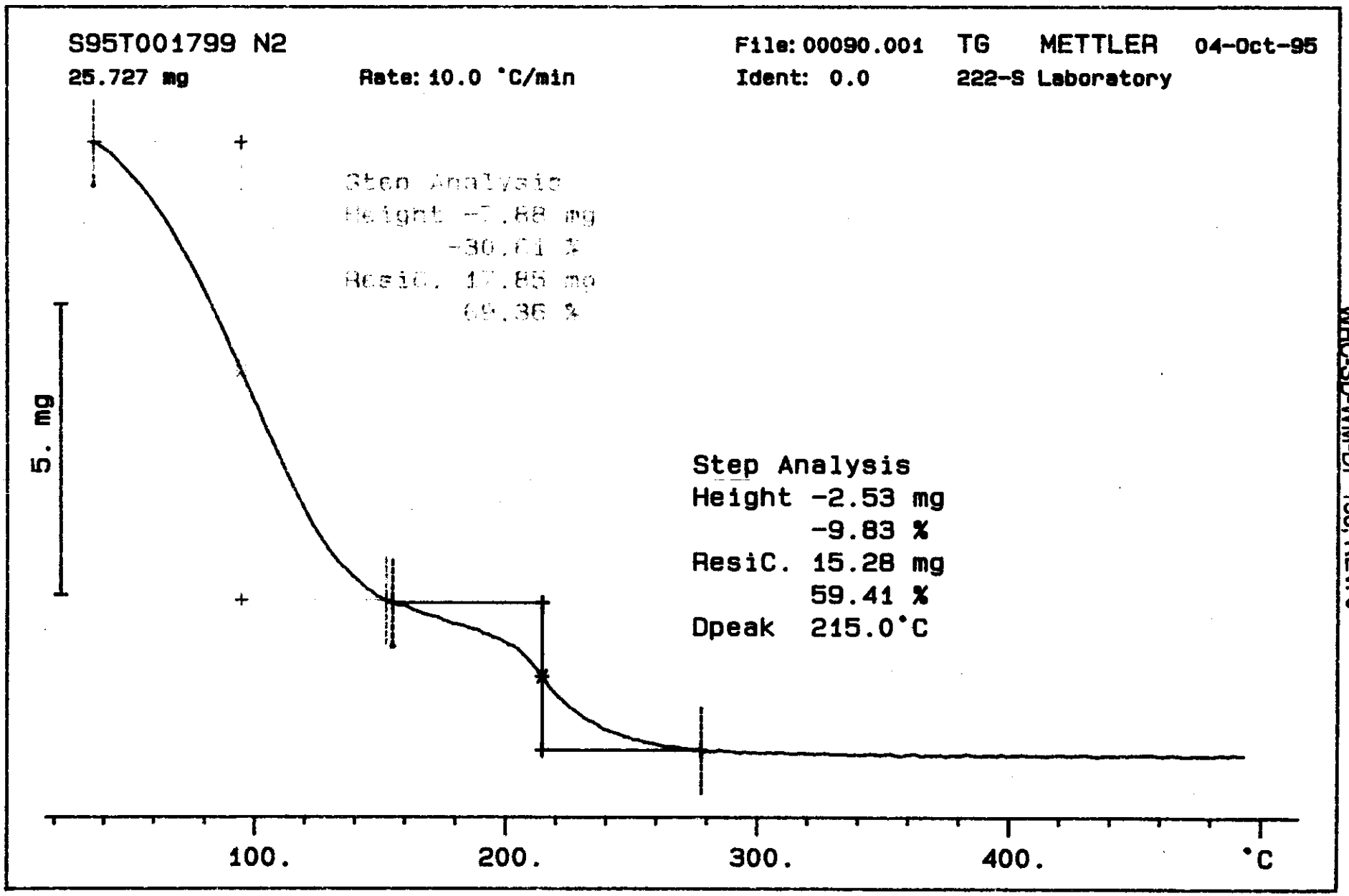
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 521 TO 525.

BEST AVAILABLE COPY



10-4-95

BEST AVAILABLE COPY



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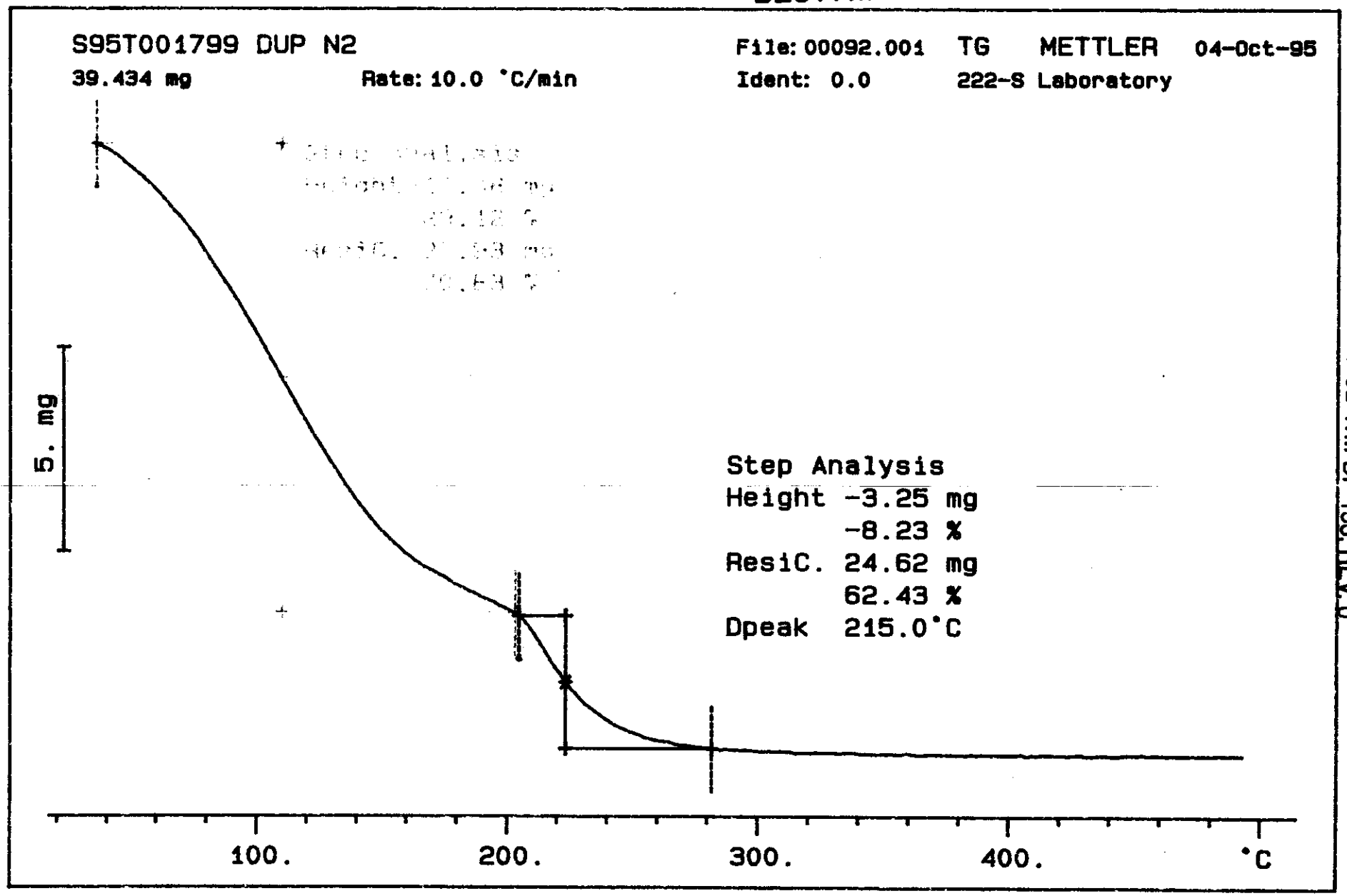
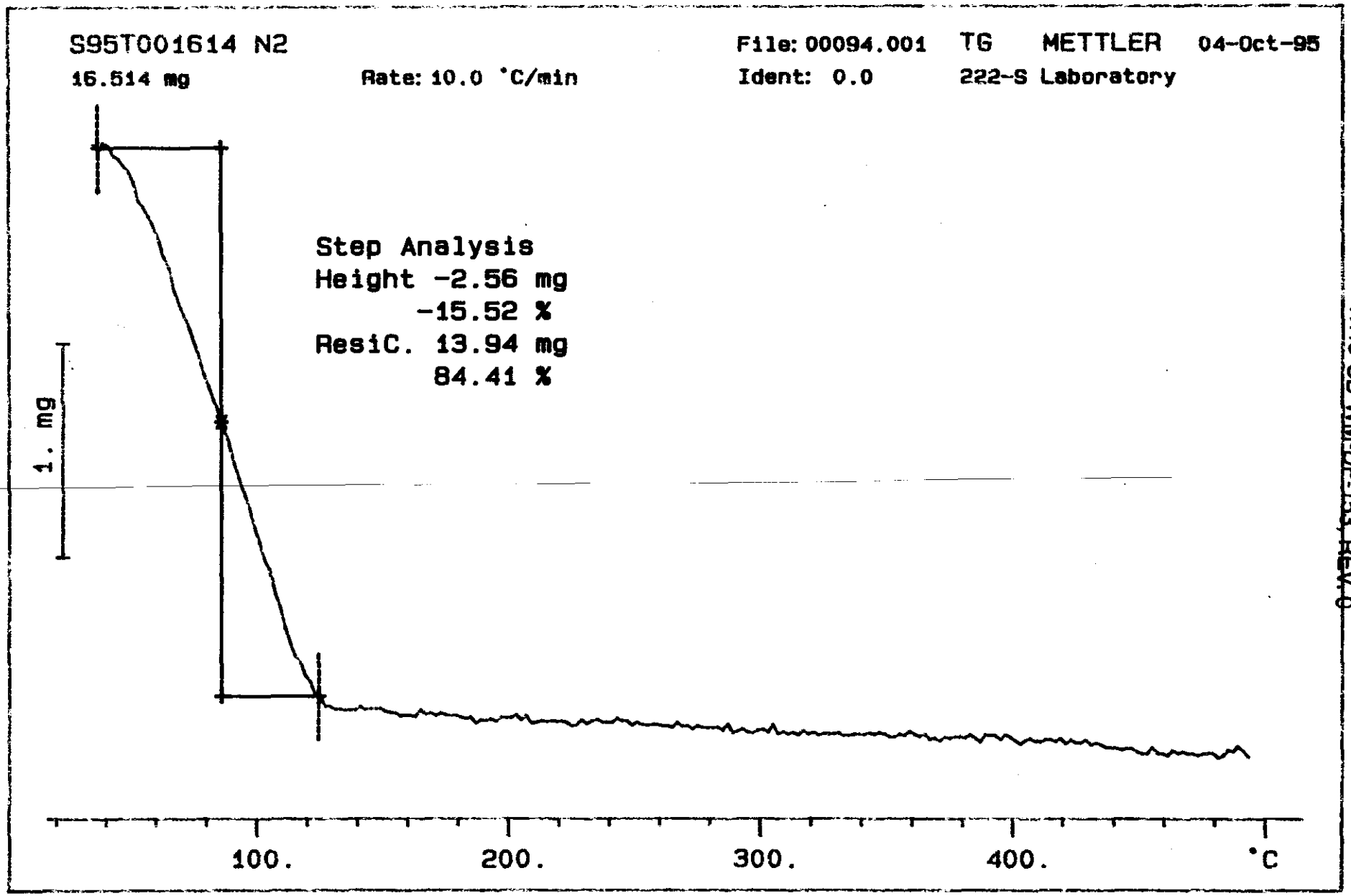
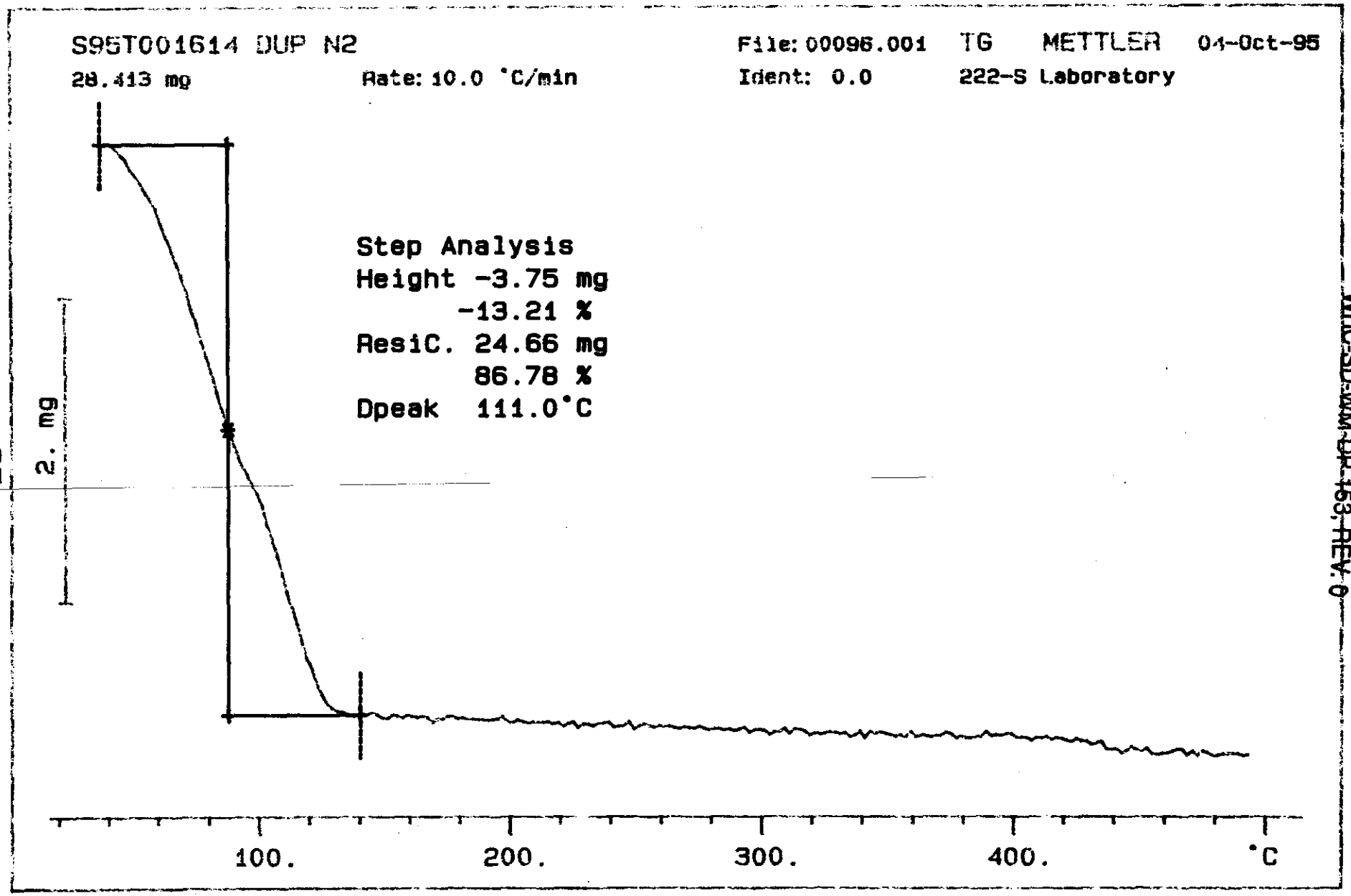


BEST AVAILABLE COPY



BEST AVAILABLE COPY



525

WHC-SD-WM-DP-153, REV. 0

LABCORE Data Entry Template for Worklist# 2170

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.01	N/A	%
95000116	BY-110	2	SAMPLE	S95T001628	0		TGA-01	SOLID	N/A	26.16		%
95000116	BY-110	3	DUP	S95T001628	0		TGA-01	SOLID	26.16	19.43	N/A	%
95000116	BY-110	4	SAMPLE	S95T001632	0		TGA-01	SOLID	N/A	16.56		%
95000116	BY-110	5	DUP	S95T001632	0		TGA-01	SOLID	16.56	16.12	N/A	%

Final page for worklist # 2170

Arthur Purnell 10-7-95
Analyst Signature **Date**

R. Jones 10-10-95
Analyst Signature **Date**

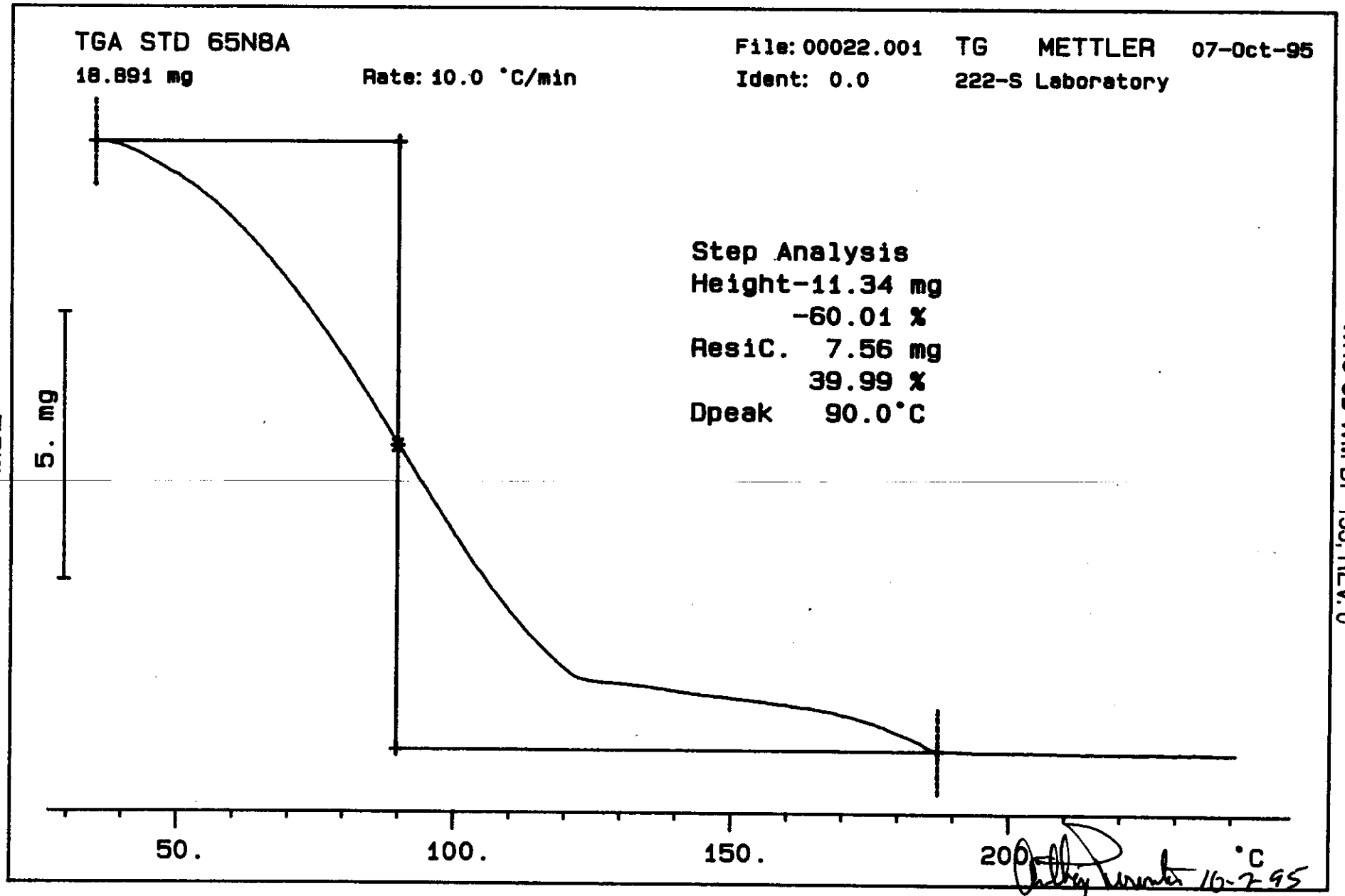
Verified by Blandina Valenzuela 10-23-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

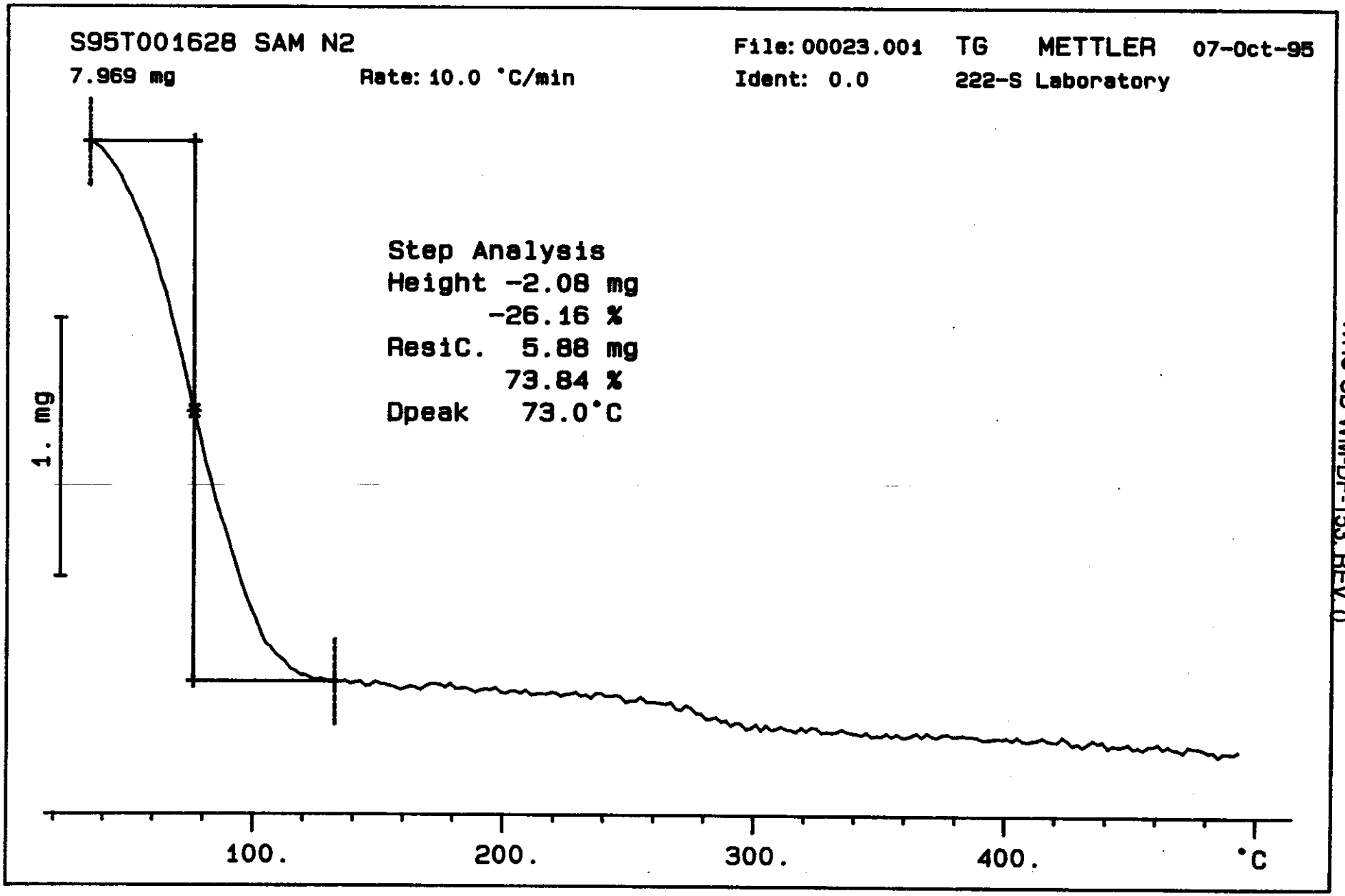
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 527 TO 531.

BEST AVAILABLE COPY

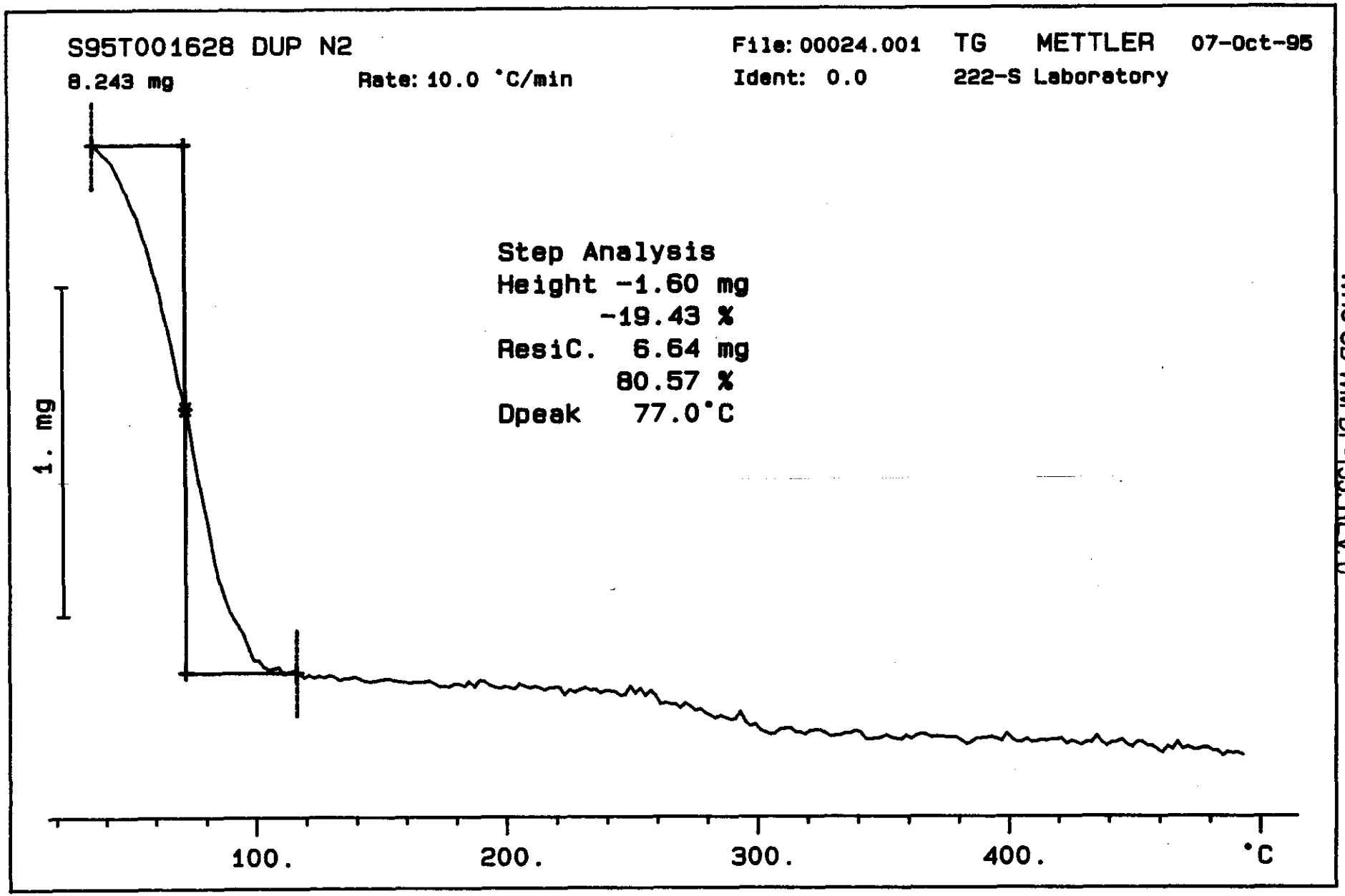


10-7-95

BEST AVAILABLE COPY



BEST AVAILABLE COPY



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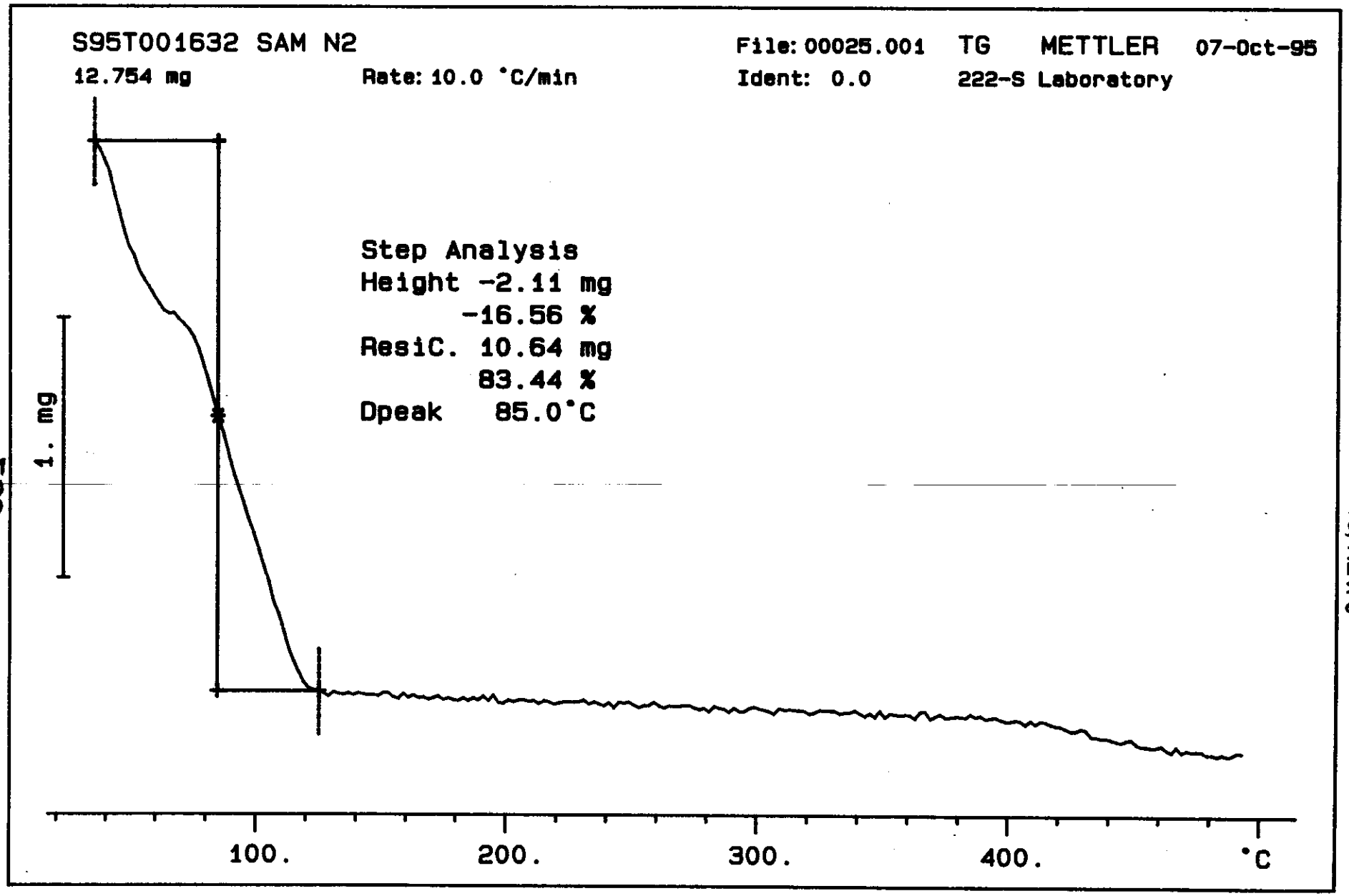

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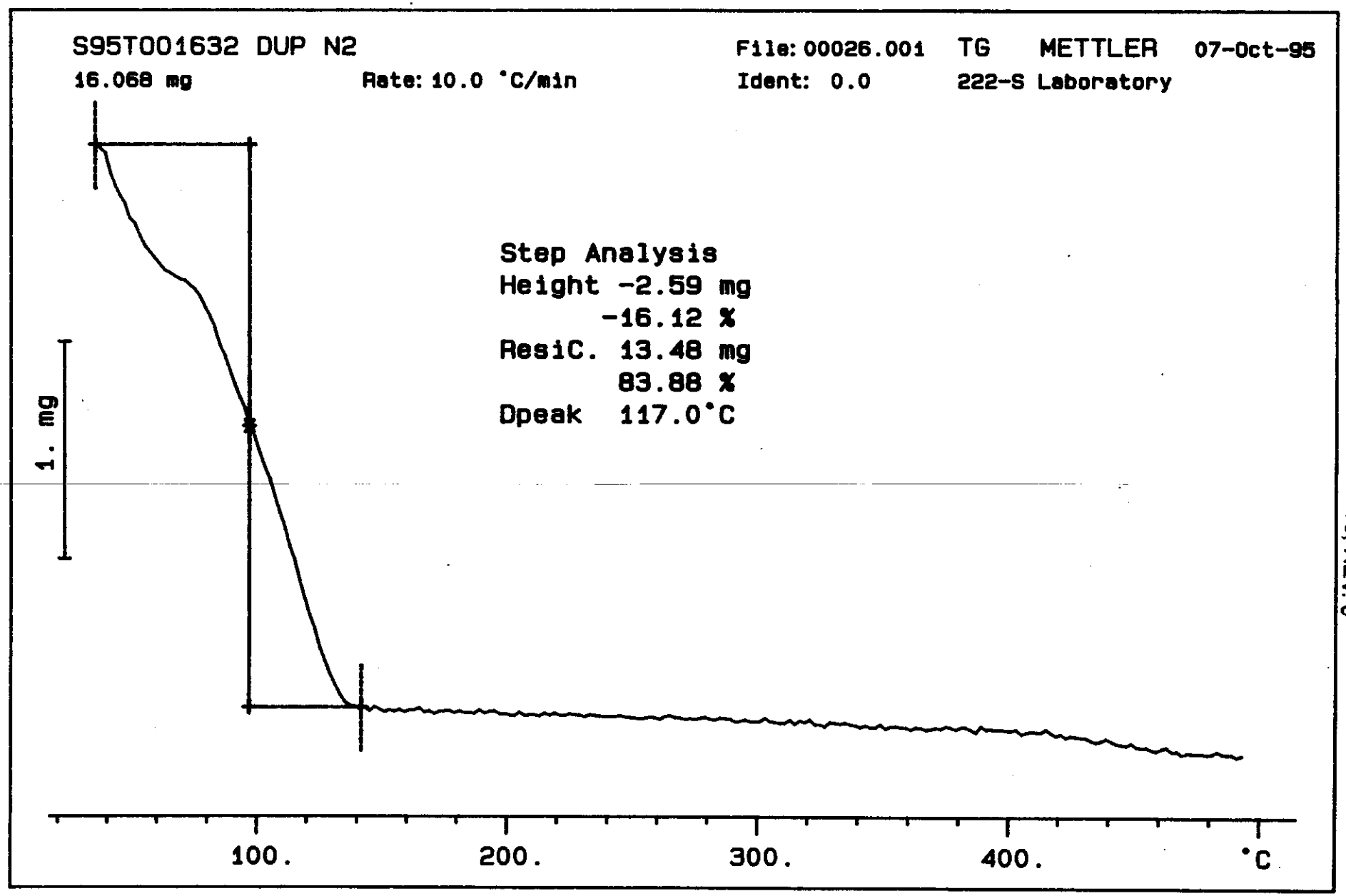


LABCORE Data Entry Template for Worklist# 2173

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	61.15	N/A	%
95000116	BY-110	2 SAMPLE	S95T001633	0		TGA-01	SOLID	N/A	17.51		%
95000116	BY-110	3 DUP	S95T001633	0		TGA-01	SOLID	17.51	17.95	N/A	%
95000116	BY-110	4 SAMPLE	S95T001634	0		TGA-01	SOLID	N/A	16.99		%
95000116	BY-110	5 DUP	S95T001634	0		TGA-01	SOLID	16.99	17.05	N/A	%

Final page for worklist # 2173

Anthy Pursuta 9-18-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 9-20-95

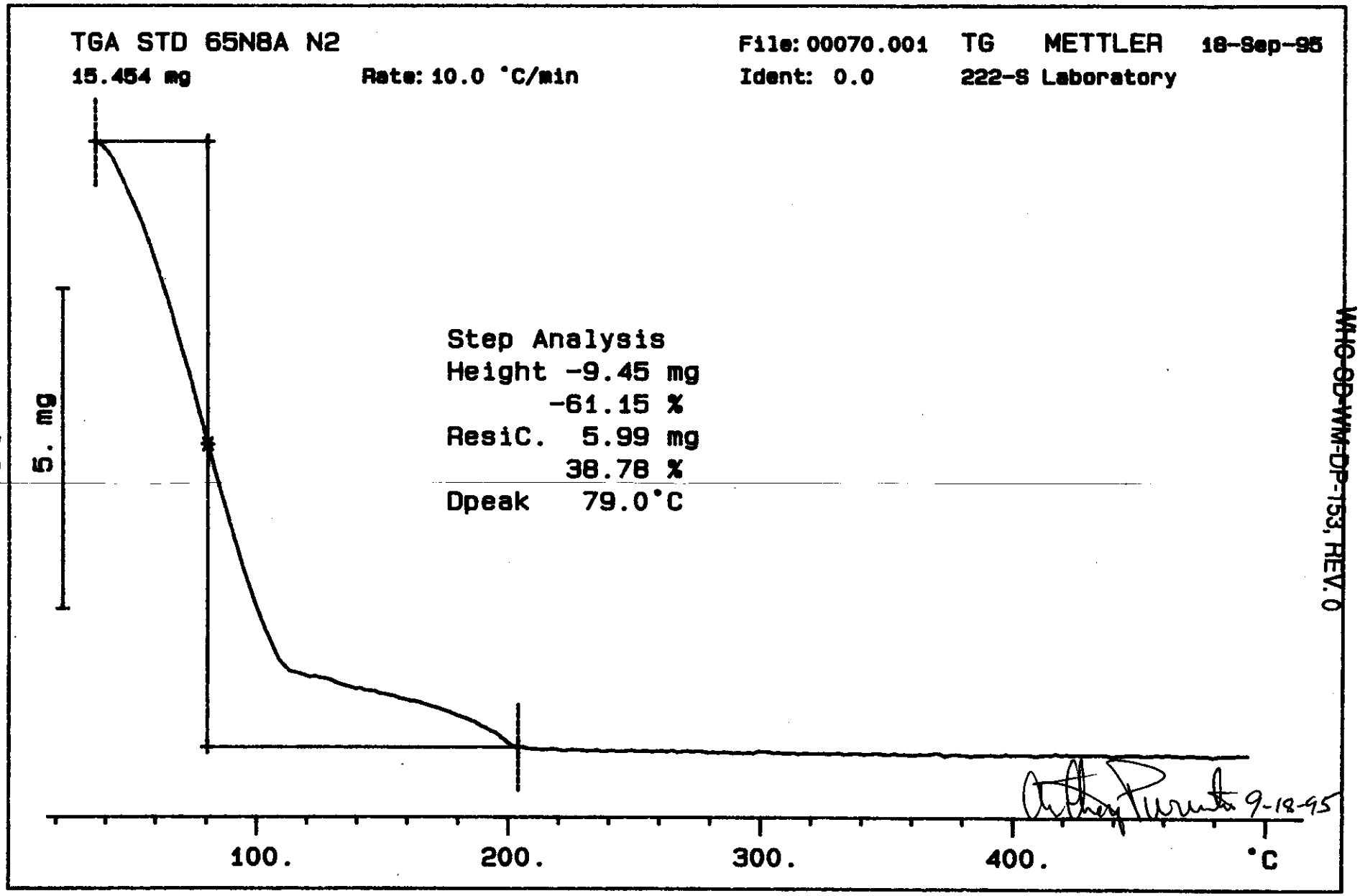
[illegible] 9-18-95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 533 TO 537.

BEST AVAILABLE COPY

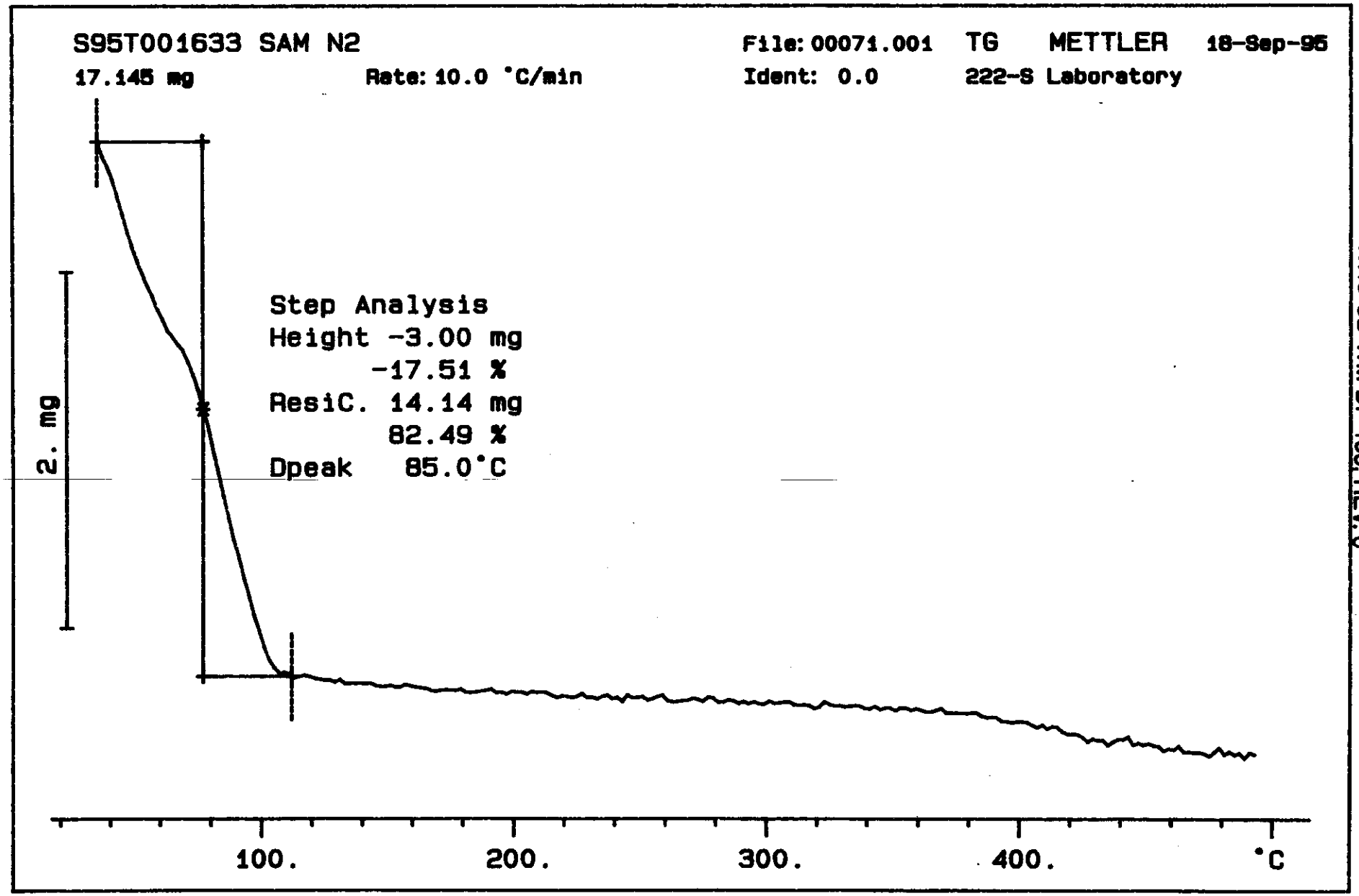


Anthony Purnto 9-18-95

533

WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



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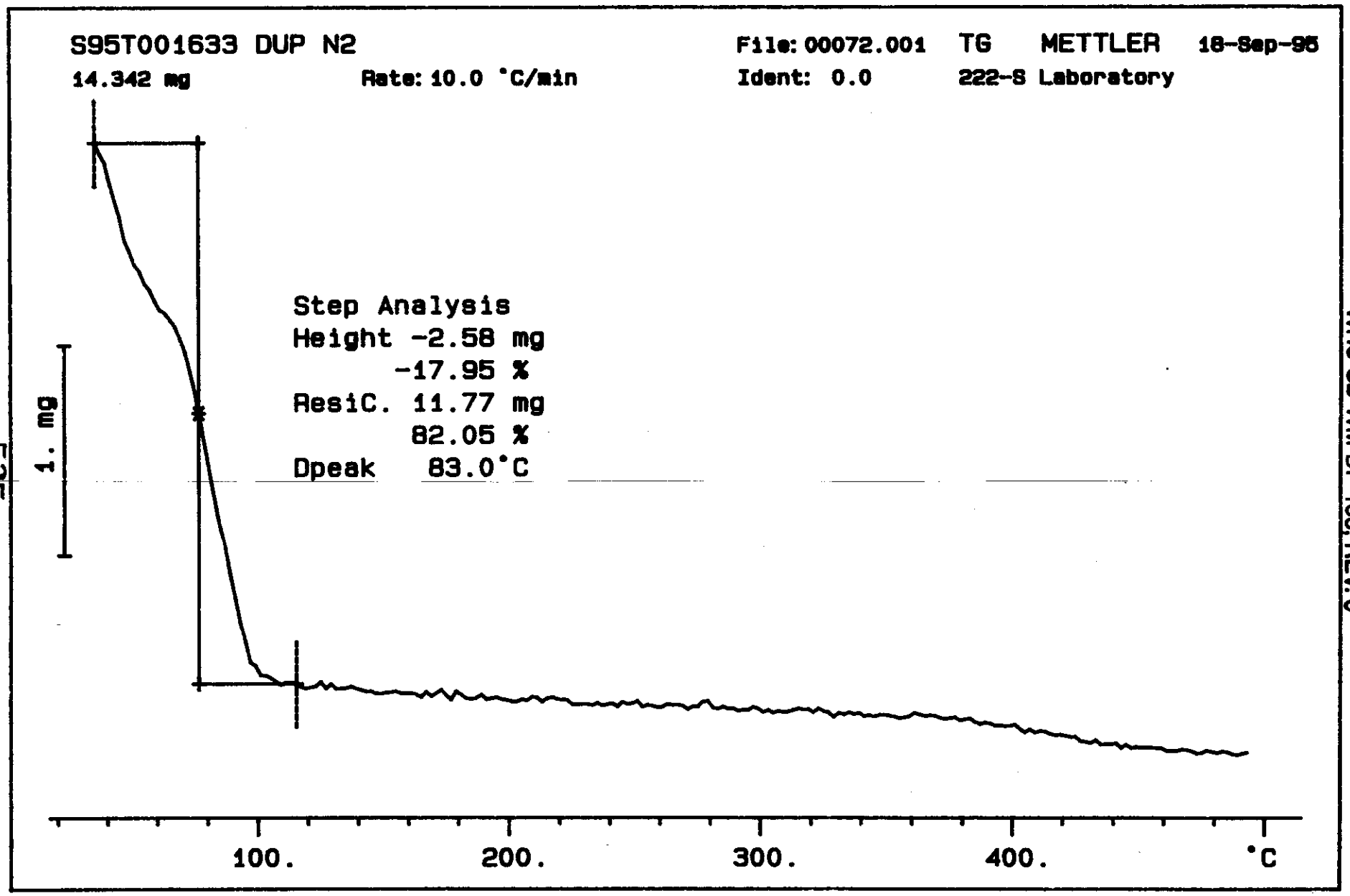
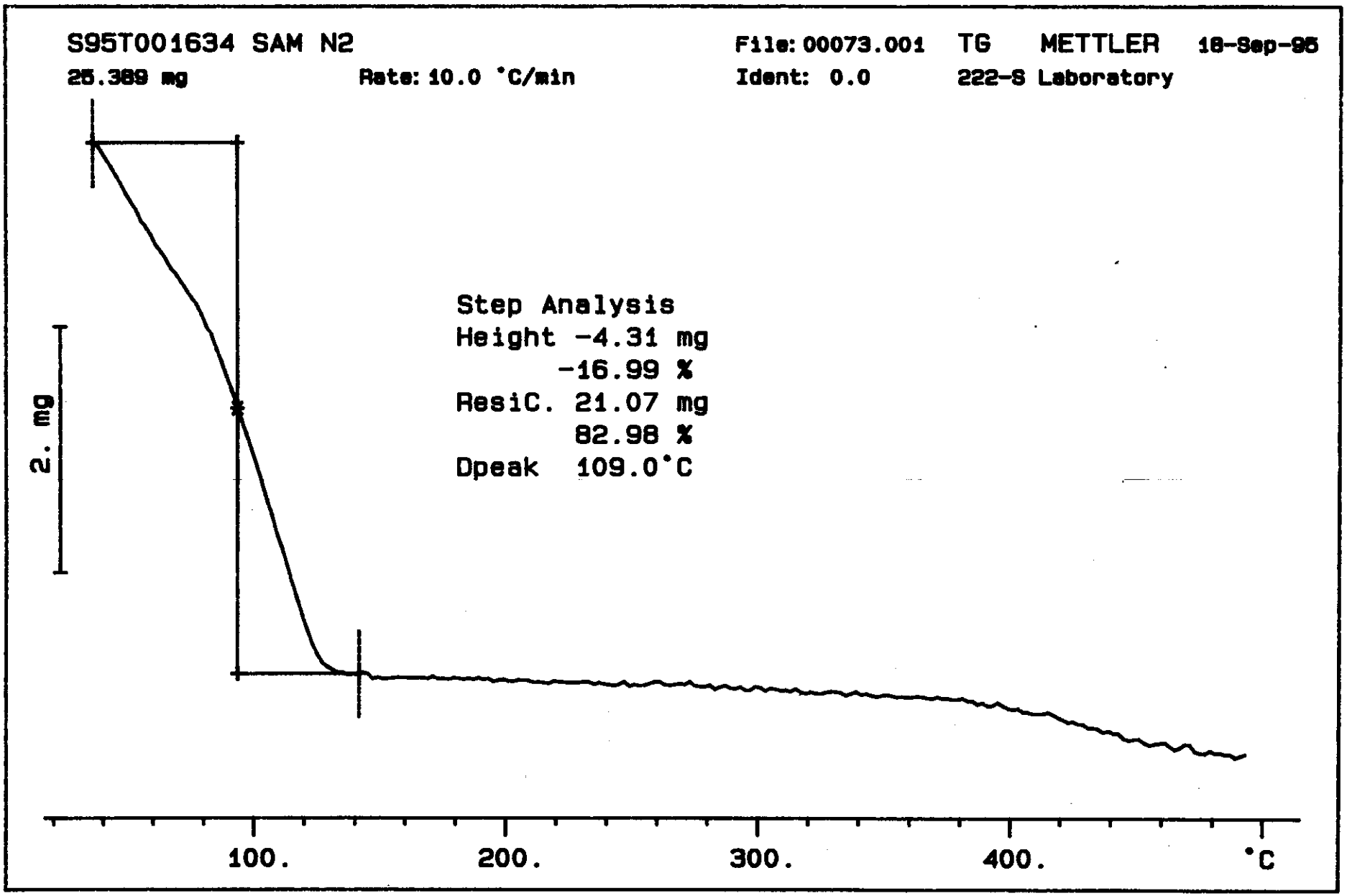
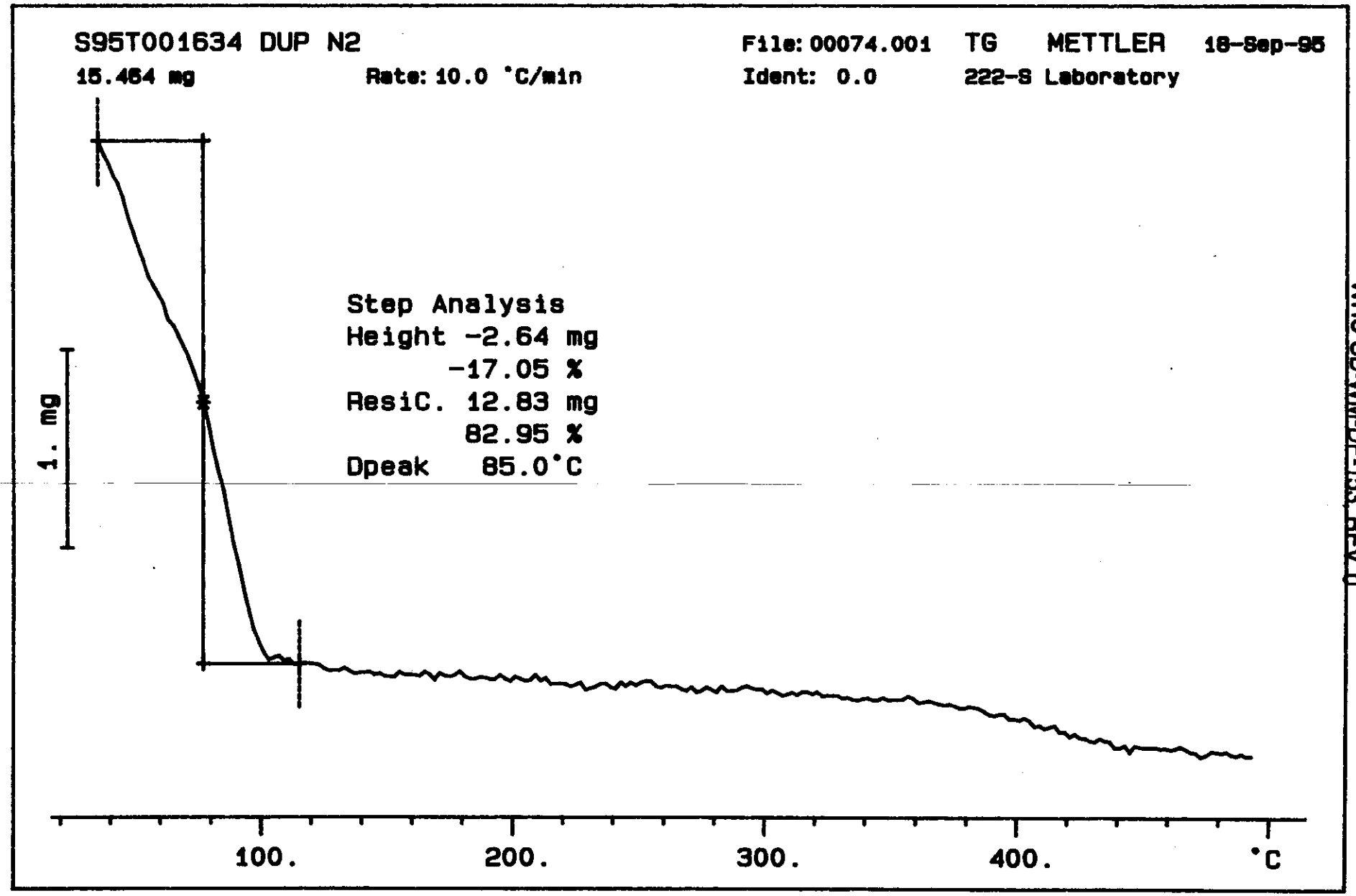


BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2174

Analyst: HP **Instrument:** TGA0 1 **Book #** 65N8-A

Method: LA-560-112 Rev/Mod B O

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.23	N/A	%
95000116	BY-110	2	SAMPLE	S95T001635	0		TGA-01	SOLID	N/A	15.11		%
95000116	BY-110	3	DUP	S95T001635	0		TGA-01	SOLID	15.11	18.52	N/A	%
95000116	BY-110	4	SAMPLE	S95T001636	0		TGA-01	SOLID	N/A	15.56		%
95000116	BY-110	5	DUP	S95T001636	0		TGA-01	SOLID	15.56	17.34	N/A	%

Final page for worklist # 2174

Anthony Pantoja 9-26-95
Analyst Signature **Date**

R L Jones 9-27-95
Analyst Signature **Date**

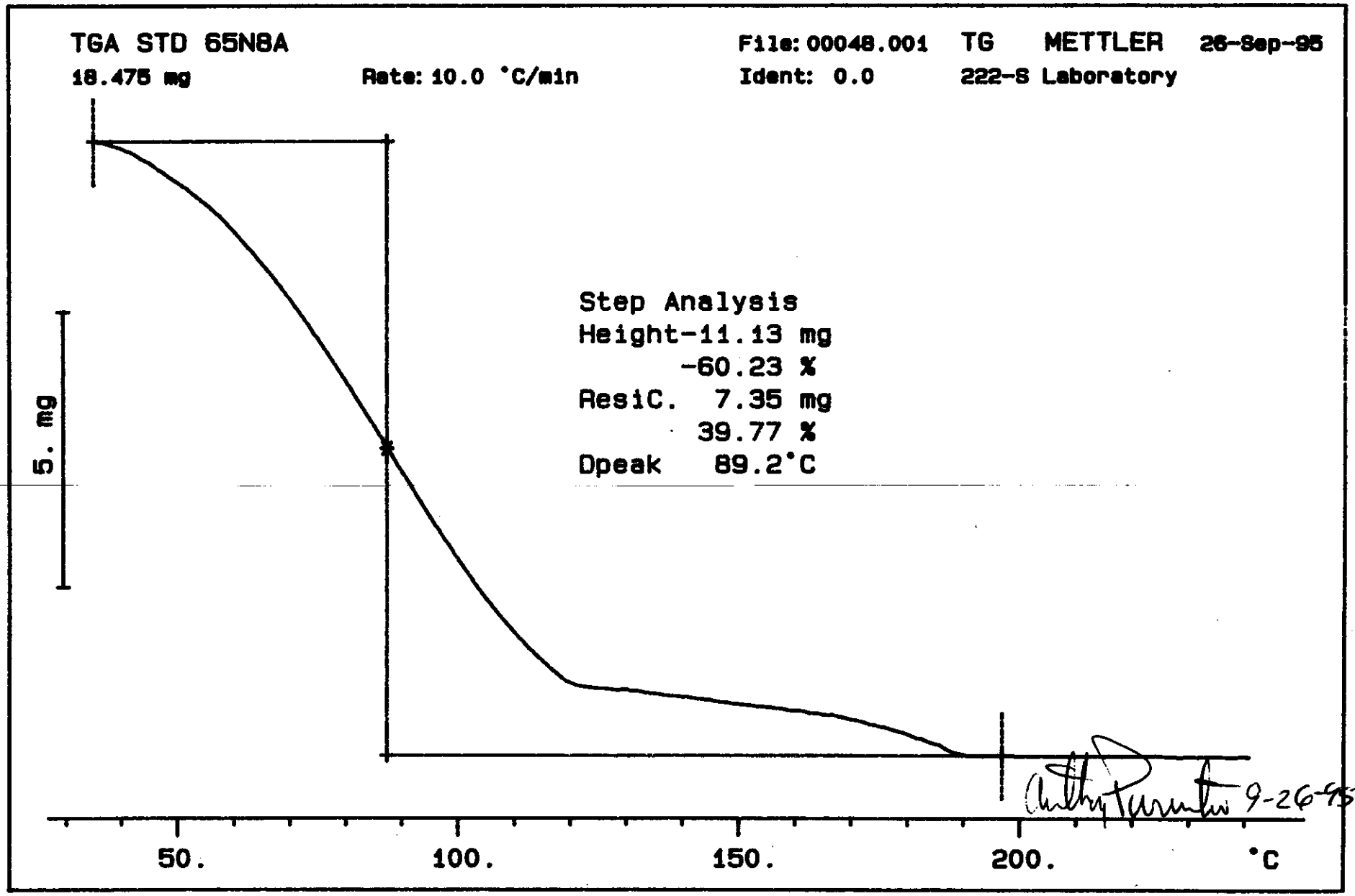
Verified by Blandina Valenzuela 9-28-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

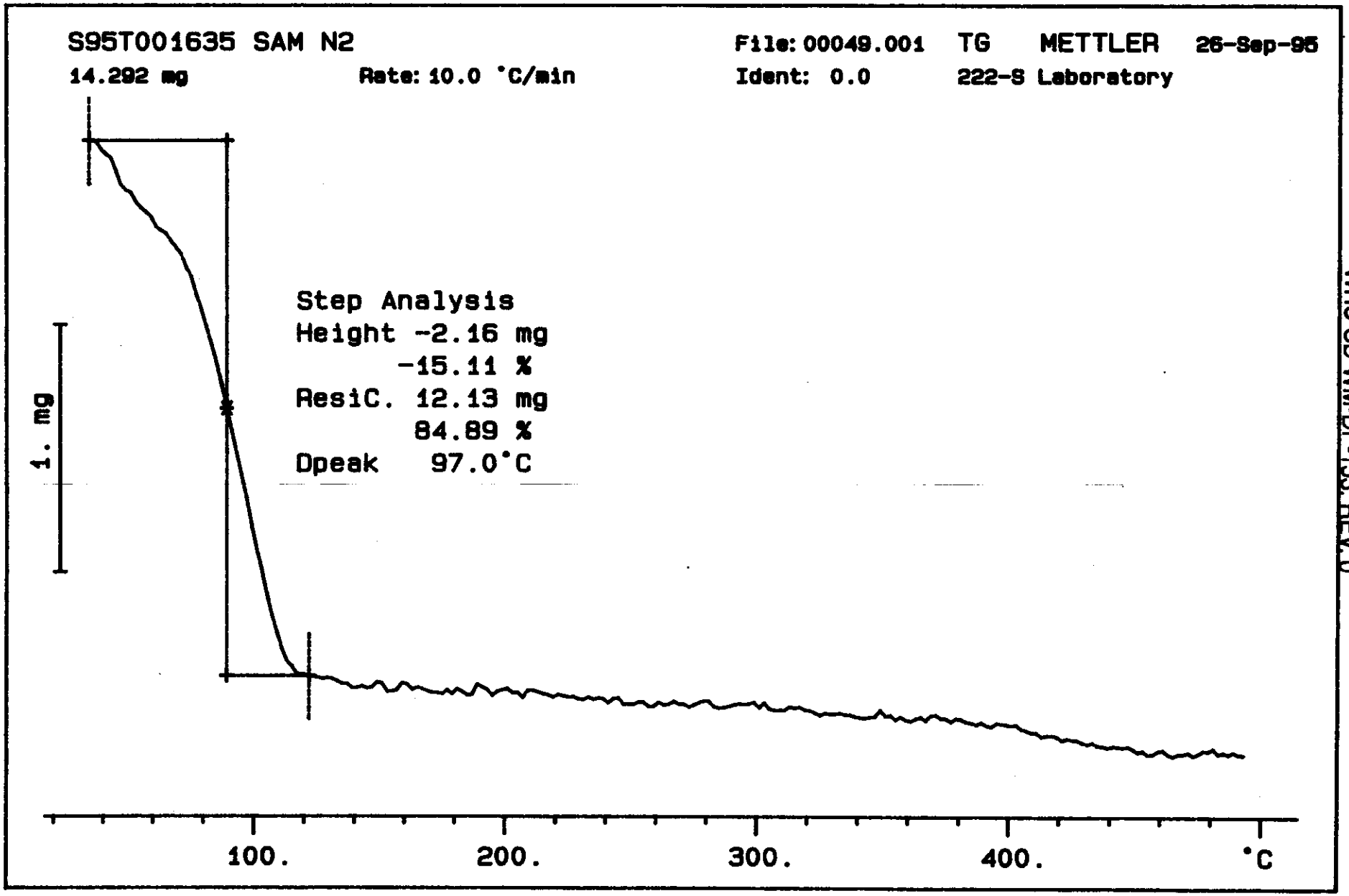
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 539 TO 543.

BEST AVAILABLE COPY



Cathy Pierantoni 9-26-95

BEST AVAILABLE COPY



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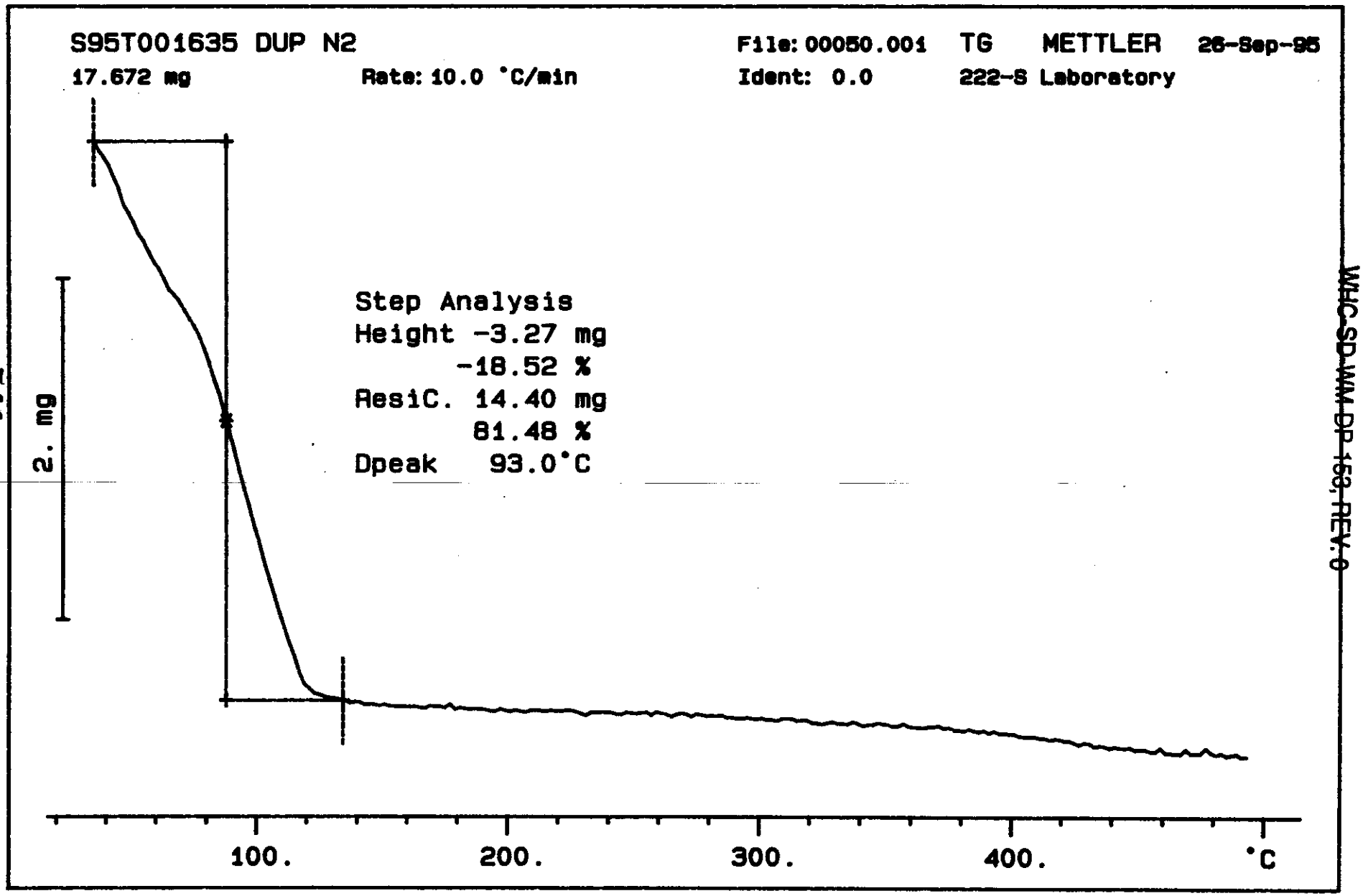
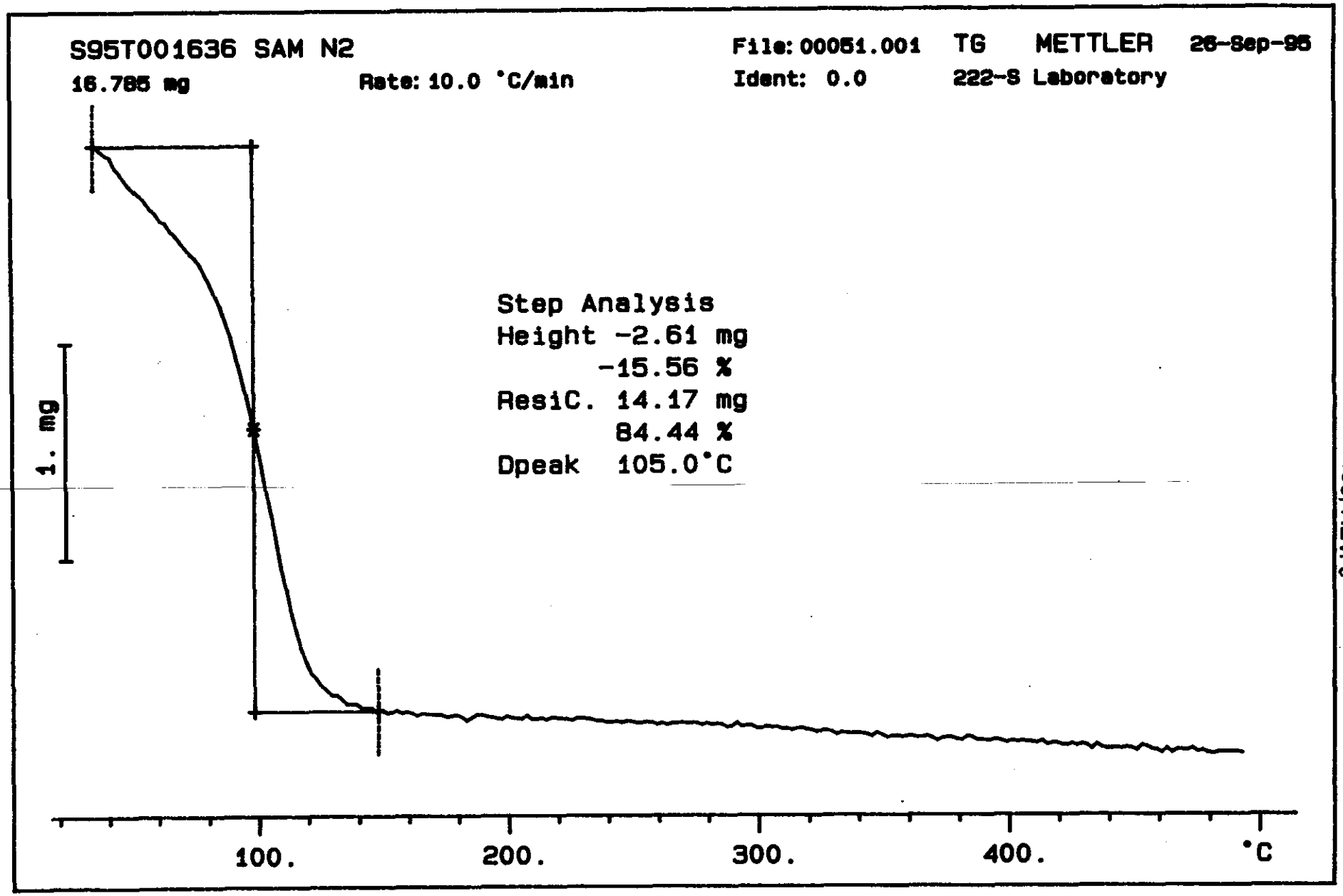


WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



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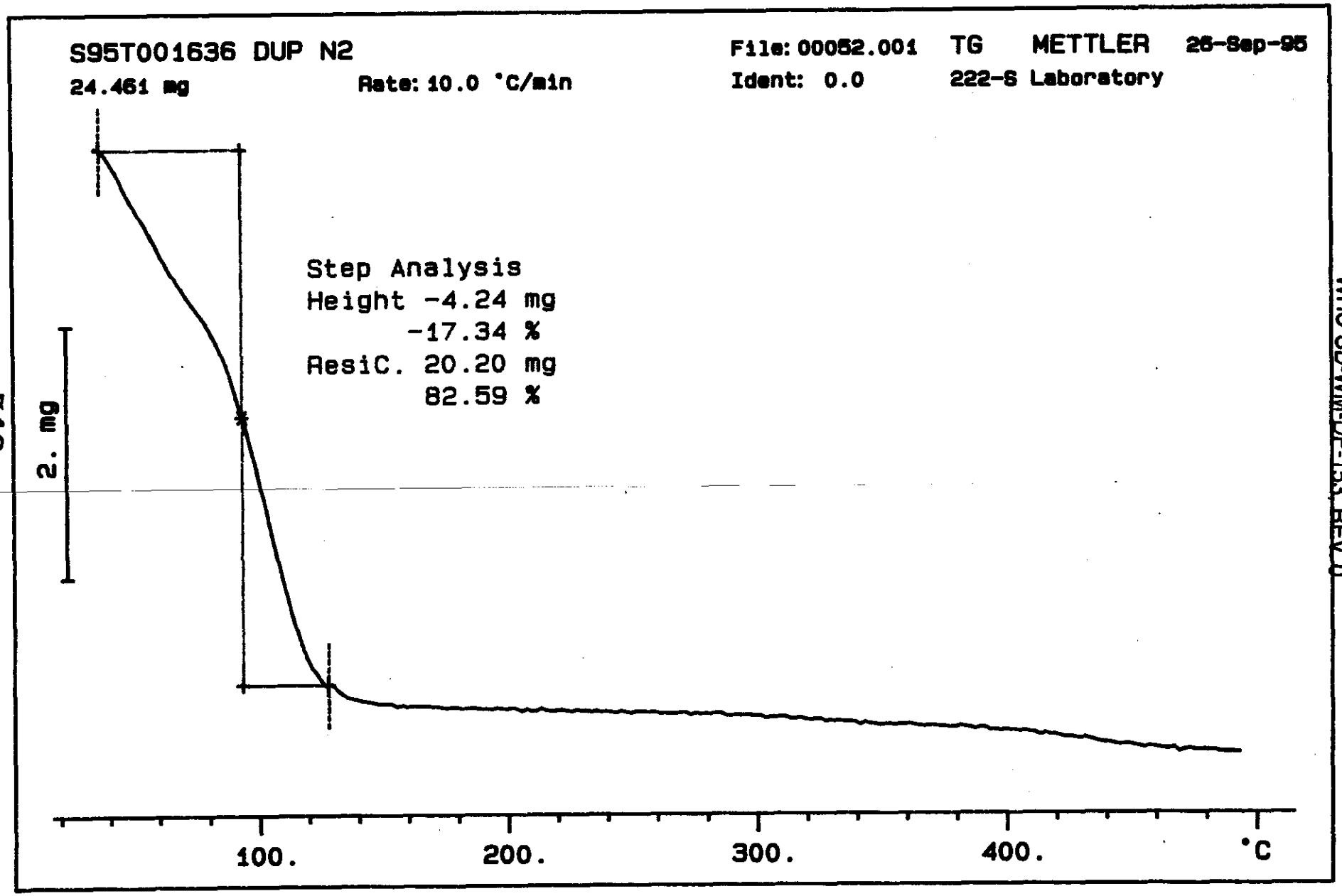


LABCORE Data Entry Template for Worklist# 2175

Analyst: SMF **Instrument:** TGA0 1 **Book #** 65N817

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.58	N/A	%
95000116	BY-110	2	SAMPLE	S95T001637	0		TGA-01	SOLID	N/A	25.28		%
95000116	BY-110	3	DUP	S95T001637	0		TGA-01	SOLID	25.28	29.77	N/A	%
95000116	BY-110	4	SAMPLE	S95T001667	0		TGA-01	SOLID	N/A	33.02		%
95000116	BY-110	5	DUP	S95T001667	0		TGA-01	SOLID	33.02	34.21	N/A	%

Final page for worklist # 2175

Analyst Signature: [signature] Date: 9-7-95

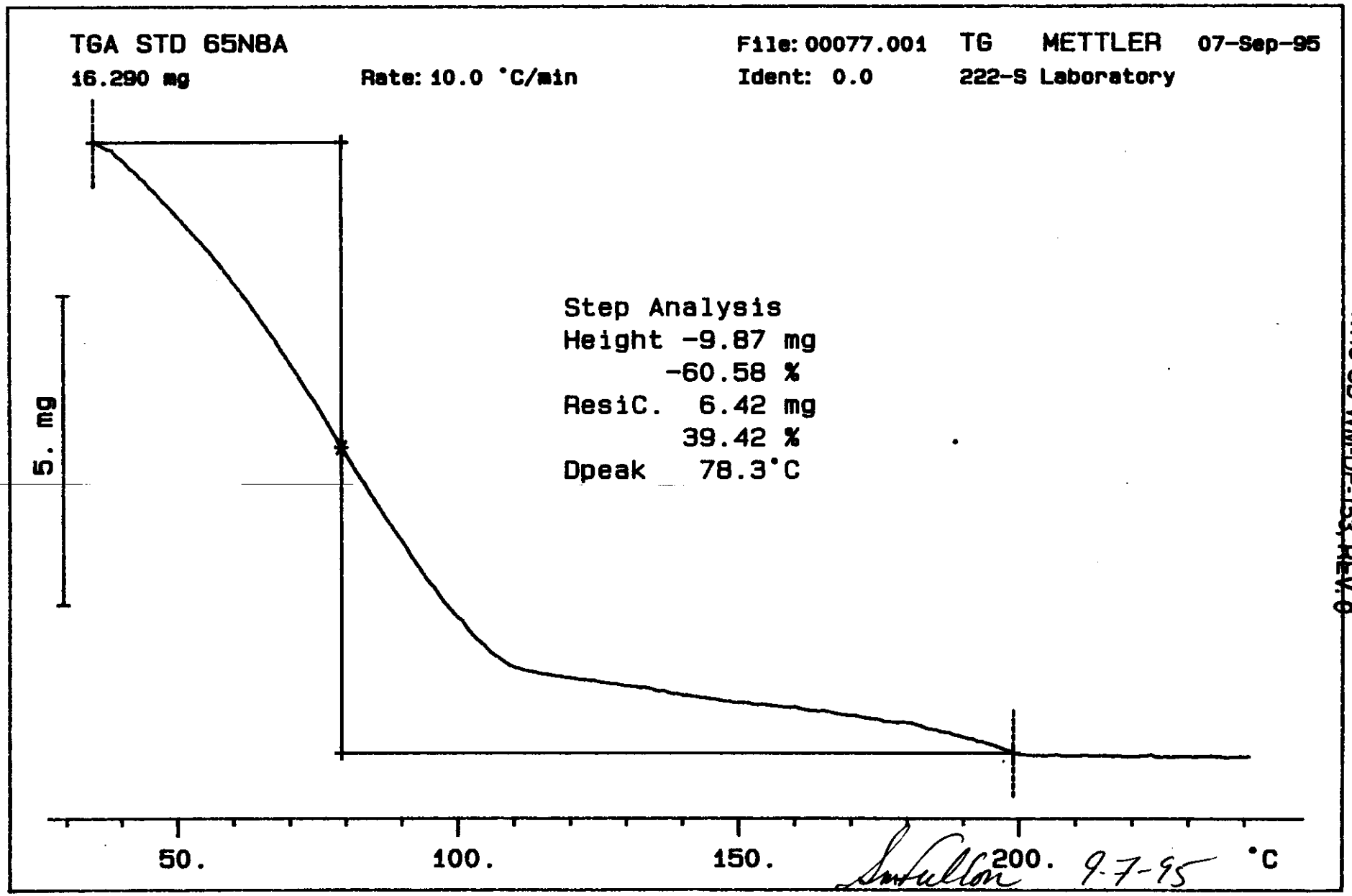
Analyst Signature: [signature] Date: 9-26-95

Verified by Blandina Valenzuela 9-28-95

Data Entry Comments:
S95T001637 - color of pea soup sludge, w/ sm gritty pieces
S95T001667 - dark brown sludge, w/ sm gritty pieces

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 545 TO 549. BEST AVAILABLE COPY

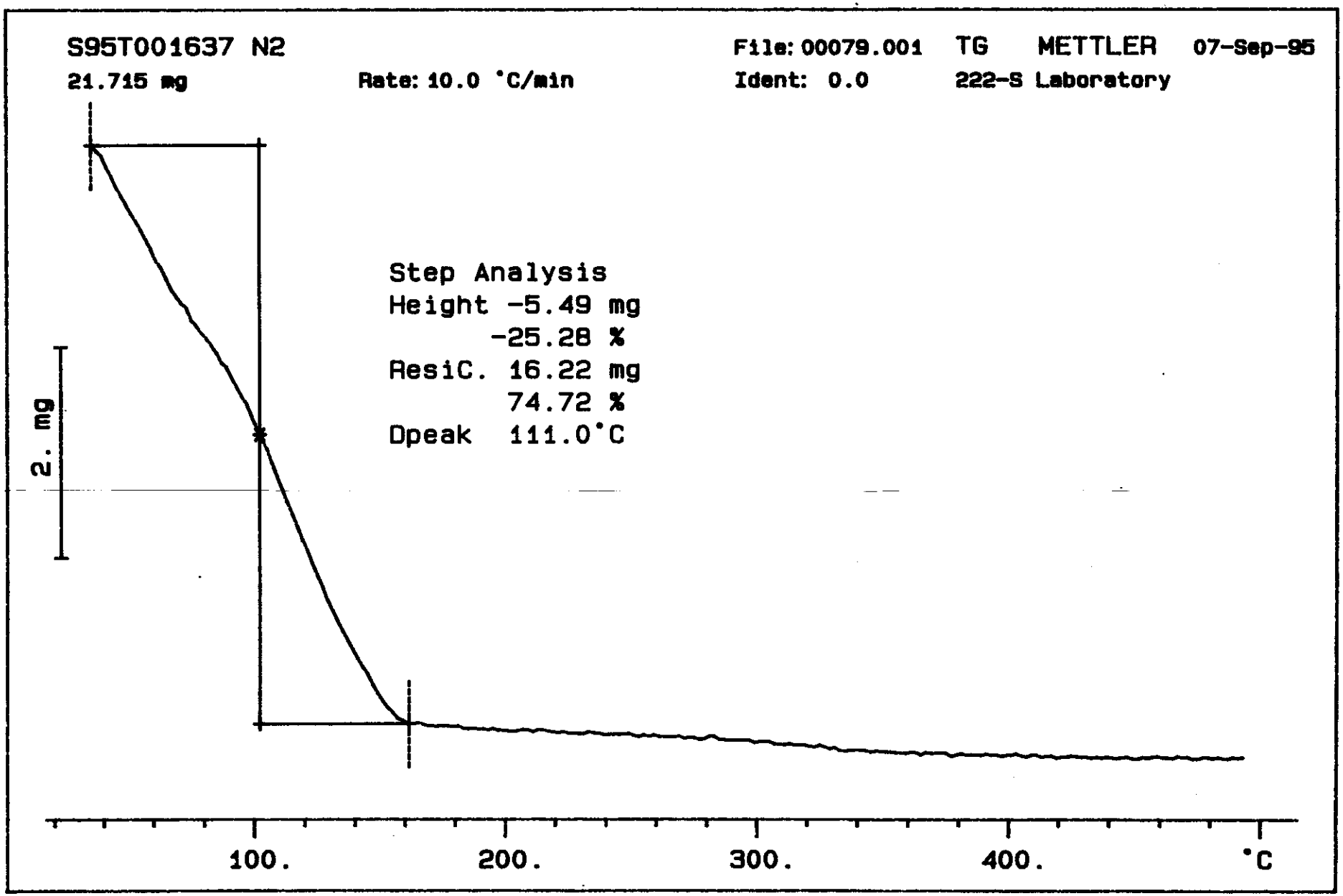


9-7-95

545

WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



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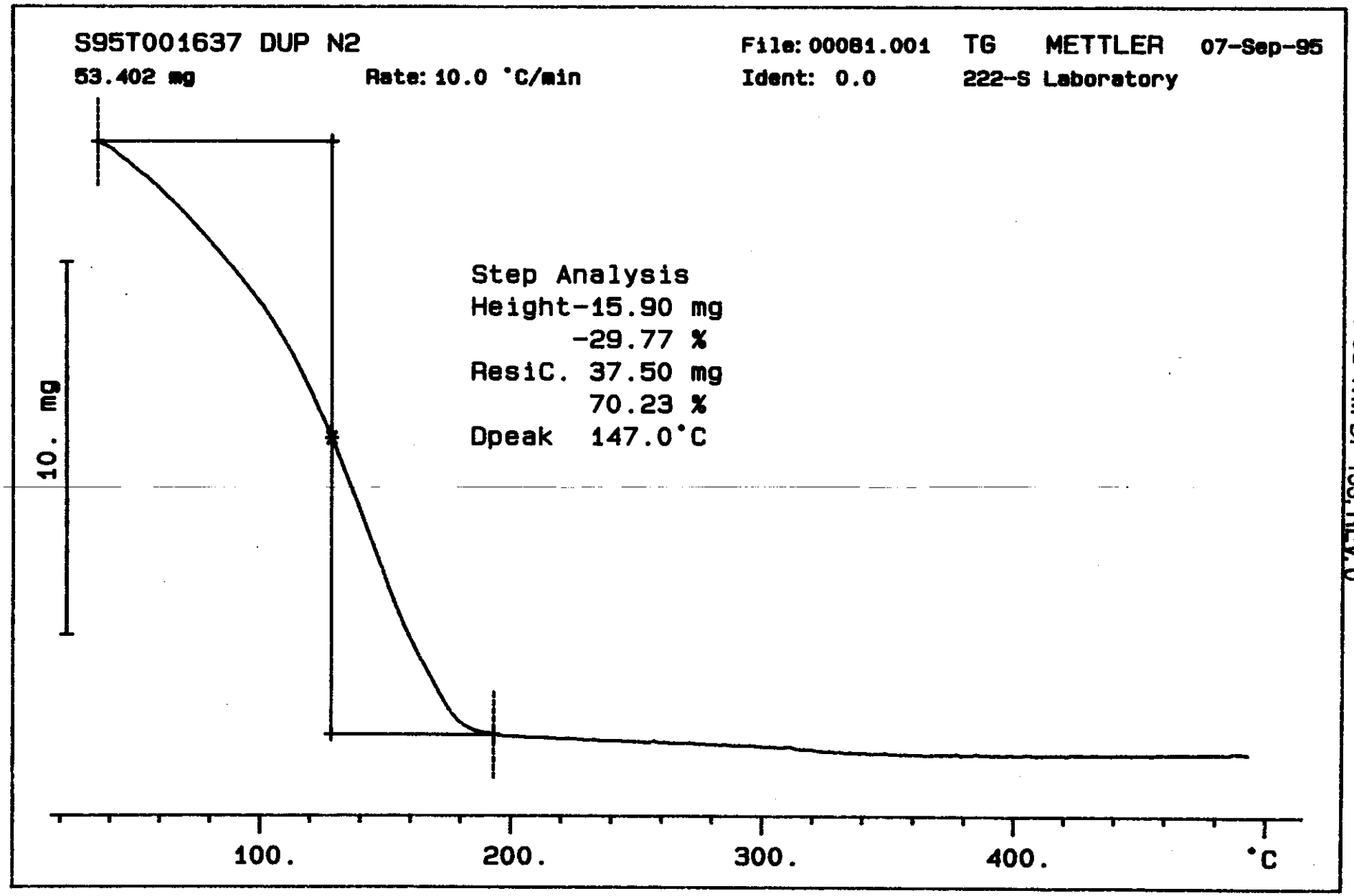

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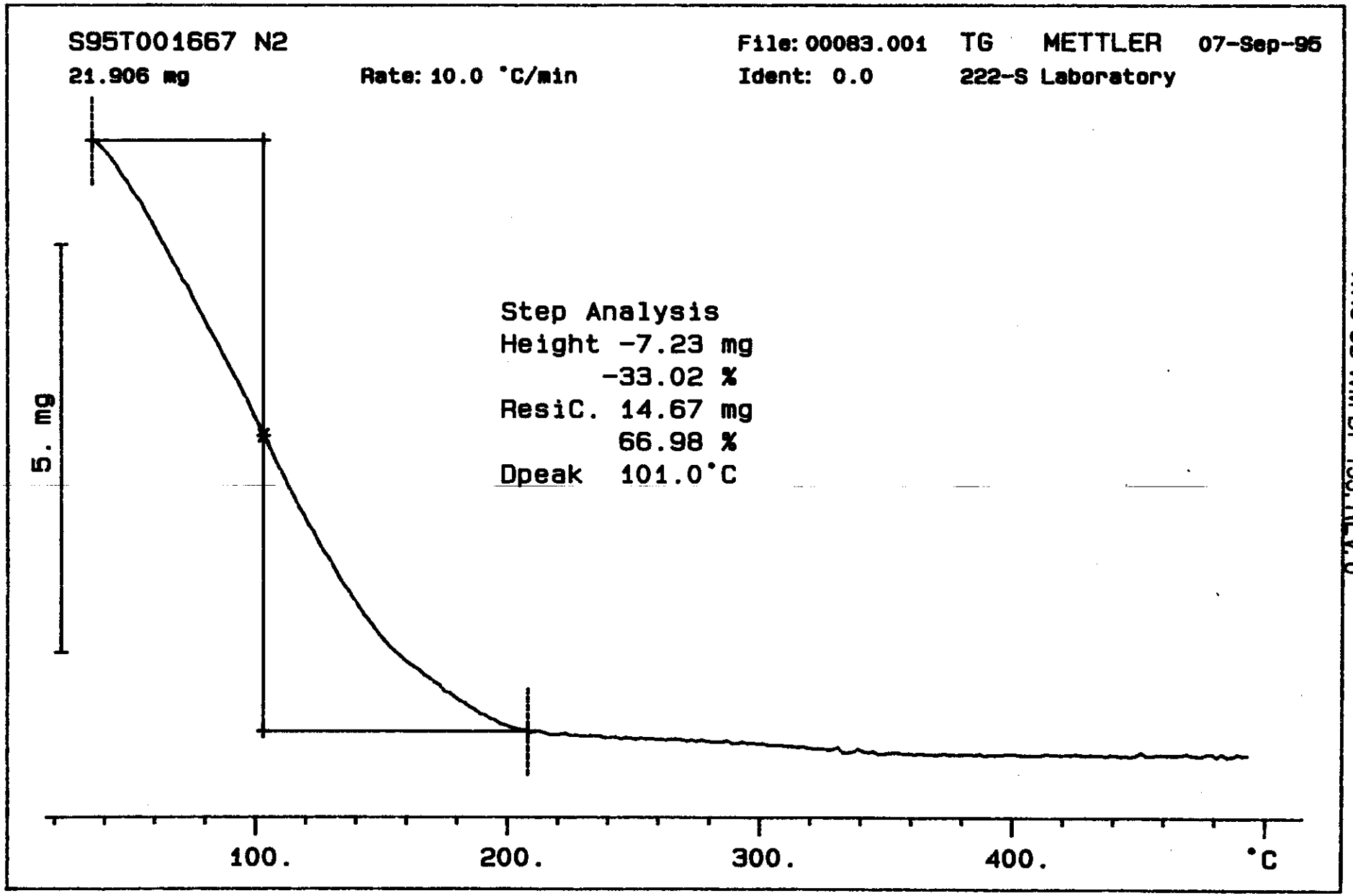

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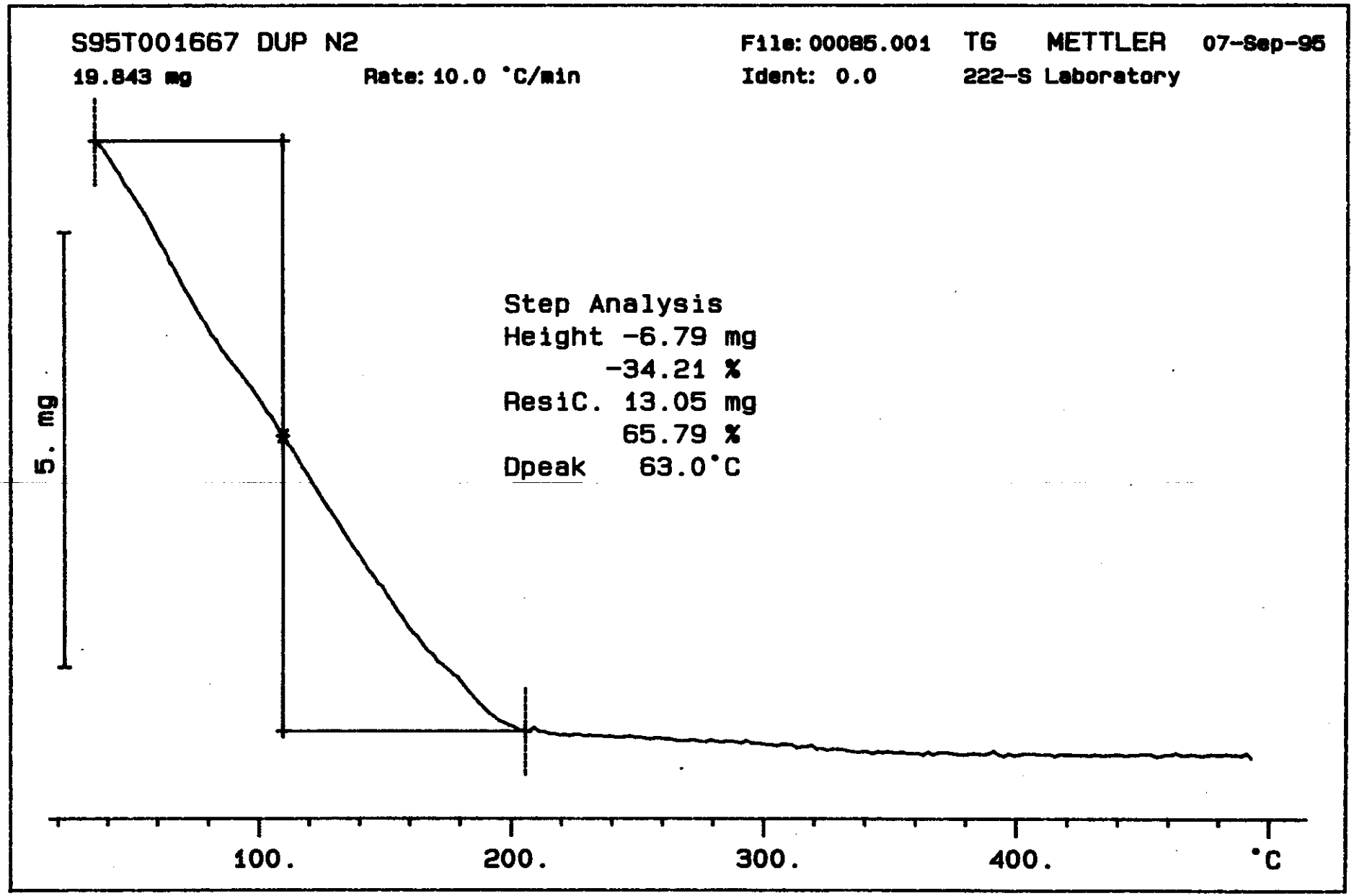


LABCORE Data Entry Template for Worklist# 2176

Analyst: Jds **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.25	N/A	%
95000116	BY-110	2	SAMPLE	S95T001668	0		TGA-01	SOLID	N/A	30.42		%
95000116	BY-110	3	DUP	S95T001668	0		TGA-01	SOLID	30.42	33.82	N/A	%
95000116	BY-110	4	SAMPLE	S95T001669	0		TGA-01	SOLID	N/A	31.11		%
95000116	BY-110	5	DUP	S95T001669	0		TGA-01	SOLID	31.11	43.71	N/A	%

Final page for worklist # 2176

9-15-95
Analyst Signature **Date**

9-19-95
Analyst Signature **Date**

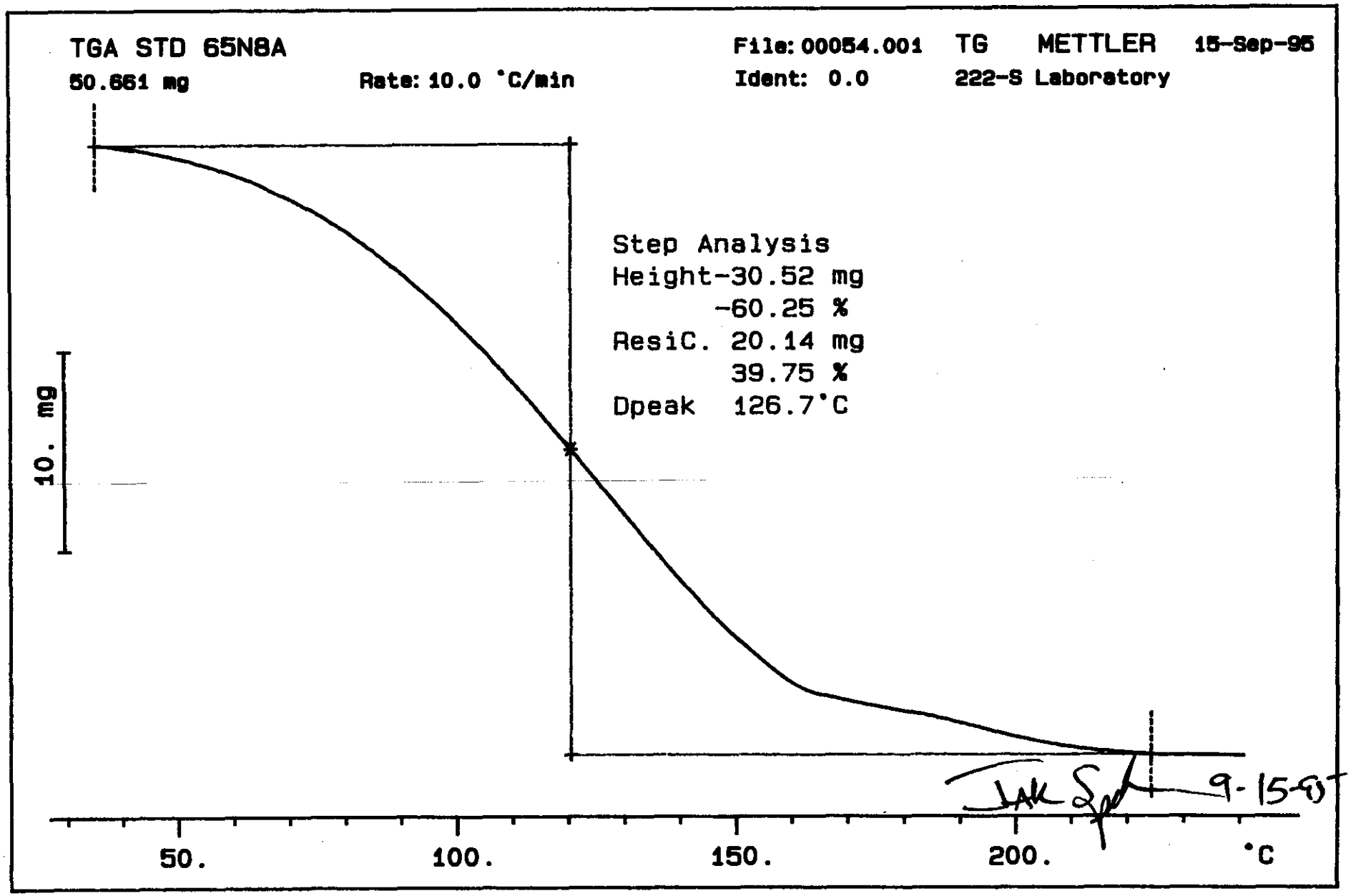
Verified by Blandina Valenzuela
9-20-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 551 TO 55 564. LAD 15-21-95

BEST AVAILABLE COPY



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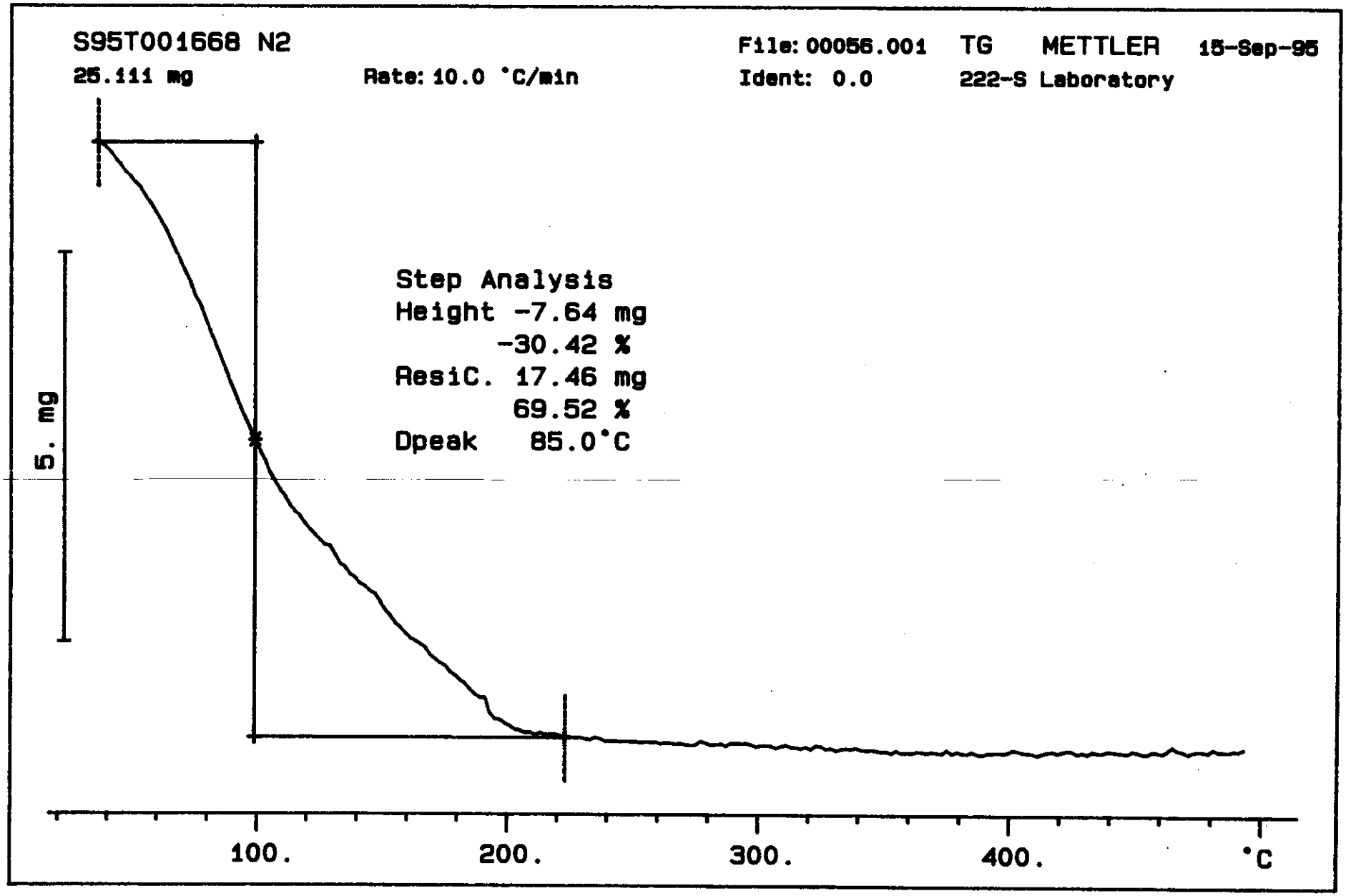

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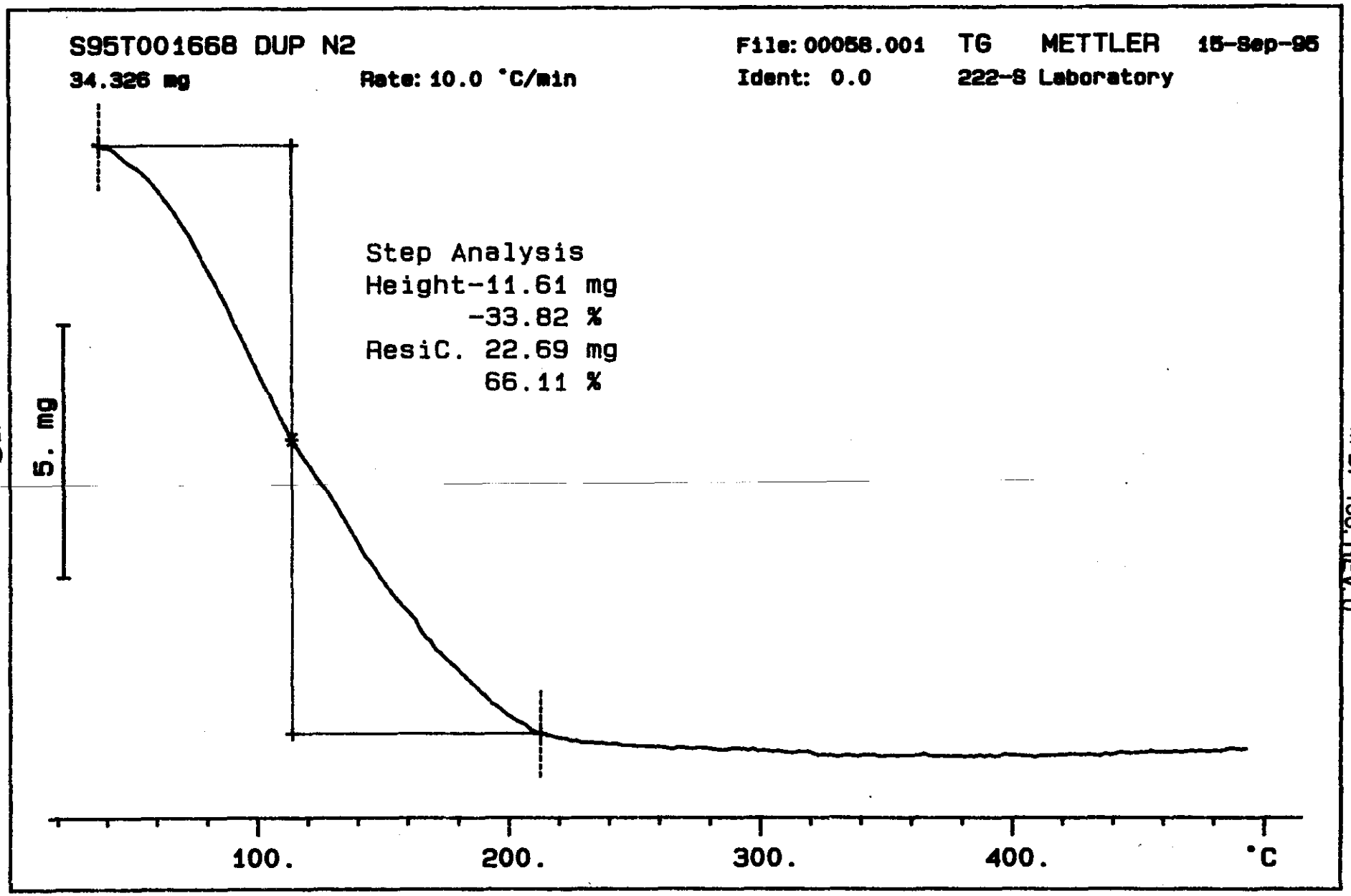

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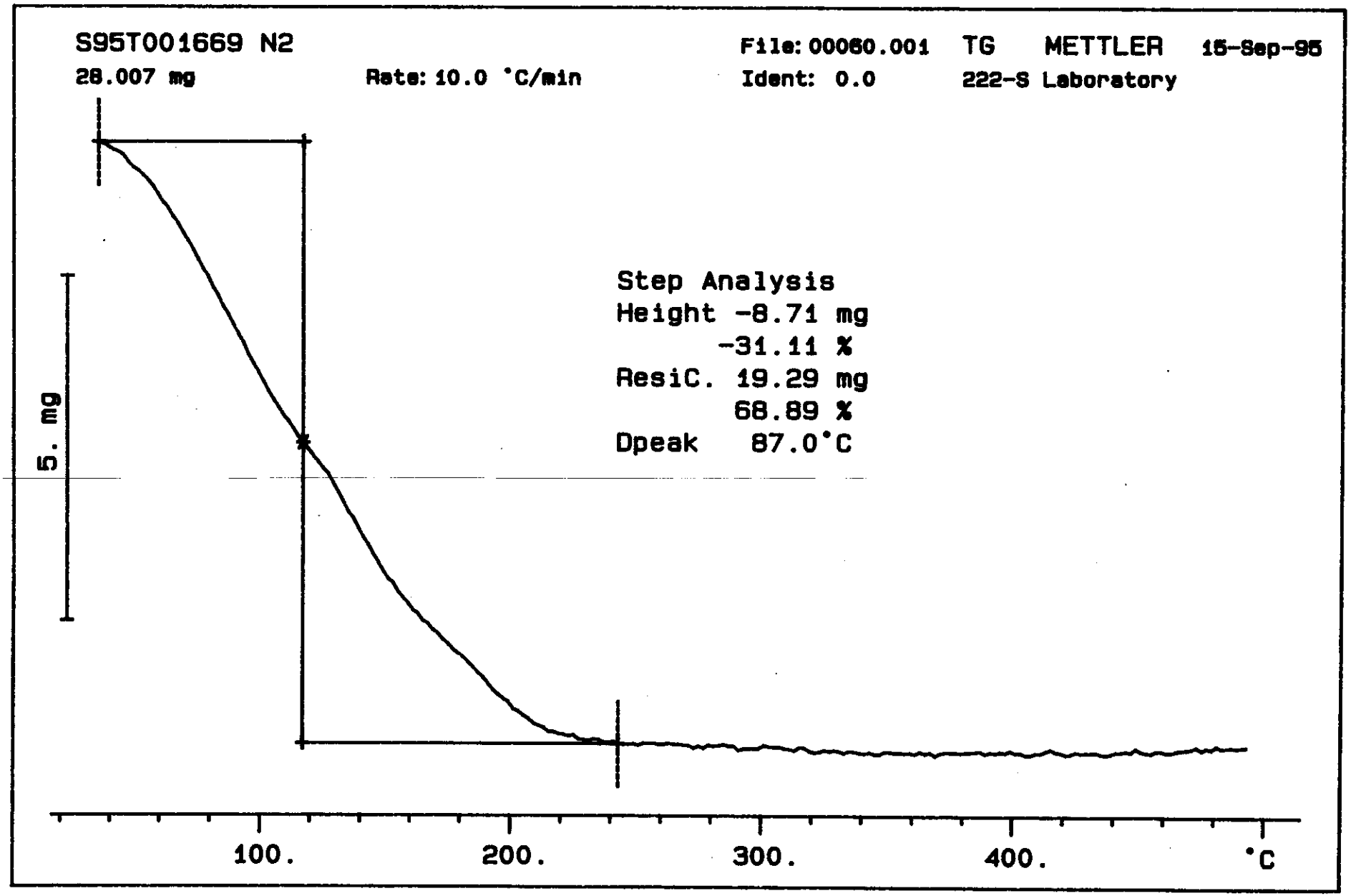
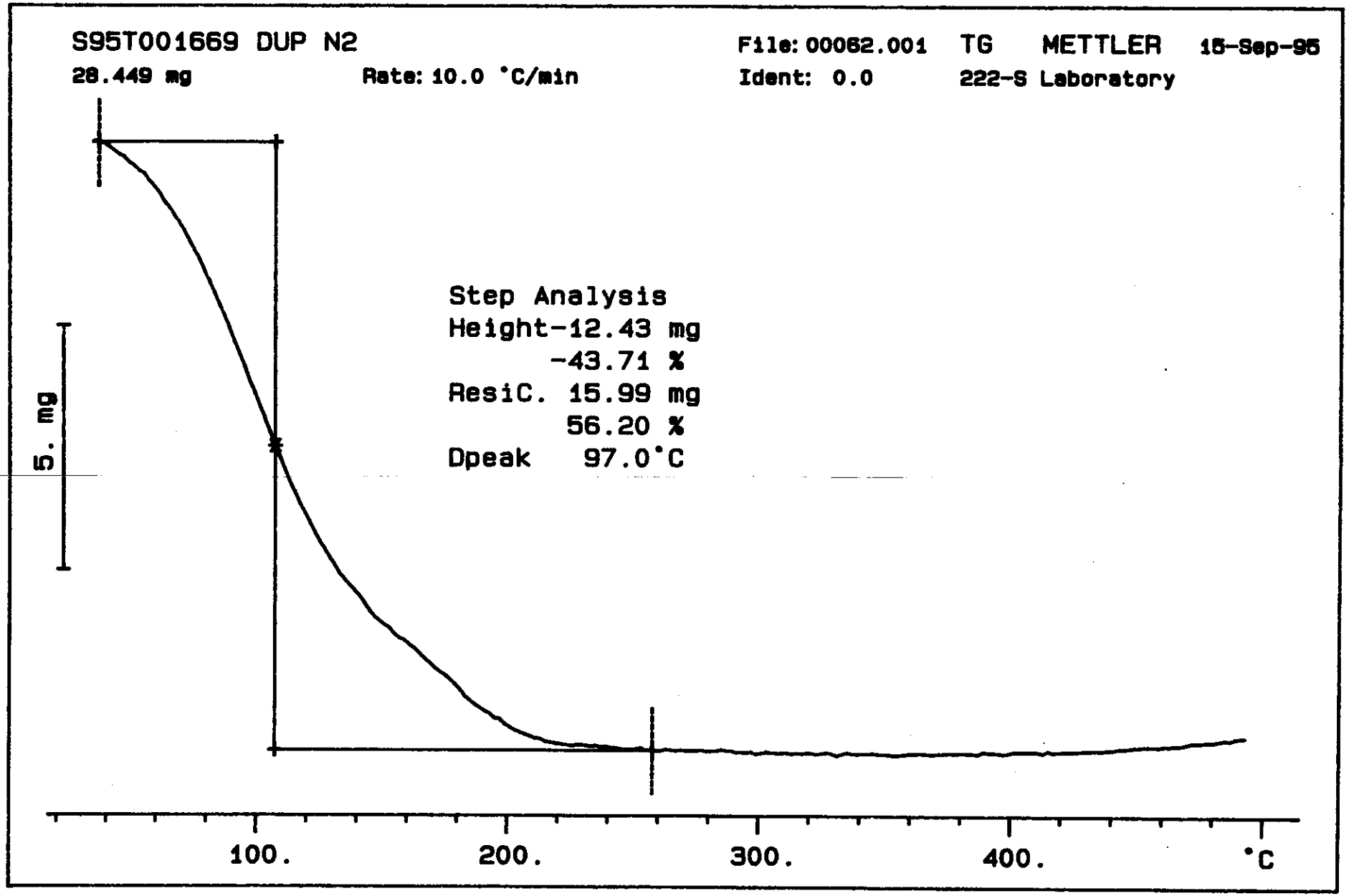


BEST AVAILABLE COPY



555

LABCORE Data Entry Template for Worklist# 2177

Analyst: Jds **Instrument:** TGA0 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	59.76	N/A	%
95000116	BY-110	2 SAMPLE	S95T001670	0		TGA-01	SOLID	N/A	43.53		%
95000116	BY-110	3 DUP	S95T001670	0		TGA-01	SOLID	43.53	39.43	N/A	%
95000116	BY-110	4 SAMPLE	S95T001671	0		TGA-01	SOLID	N/A	39.79		%
95000116	BY-110	5 DUP	S95T001671	0		TGA-01	SOLID	39.71	34.68	N/A	%

Final page for worklist # 2177

JDS 9-14-95
Analyst Signature **Date**

Verified 9/15/95 J. M. Luye

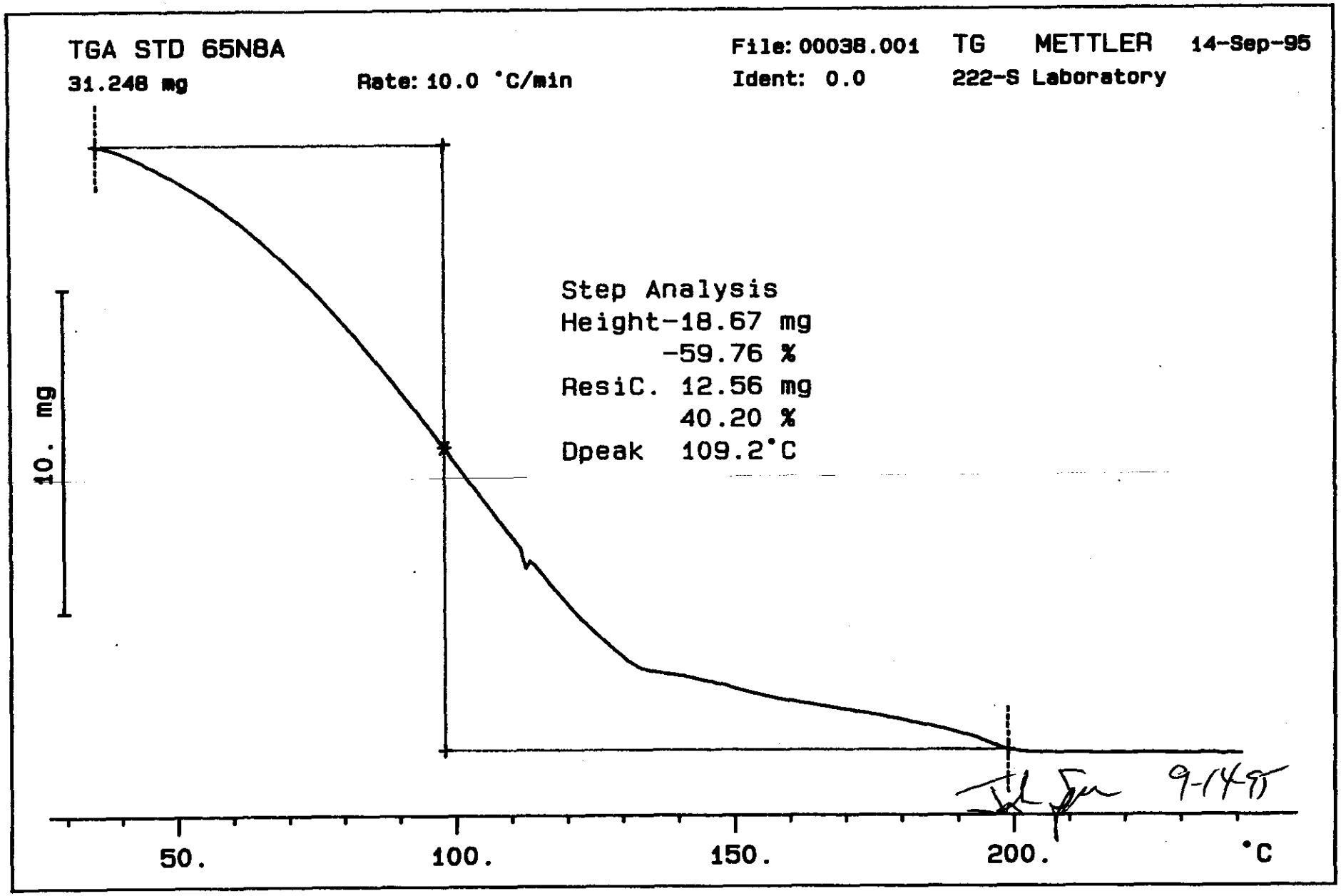
9-14-95
Analyst Signature **Date**

Data Entry Comments:

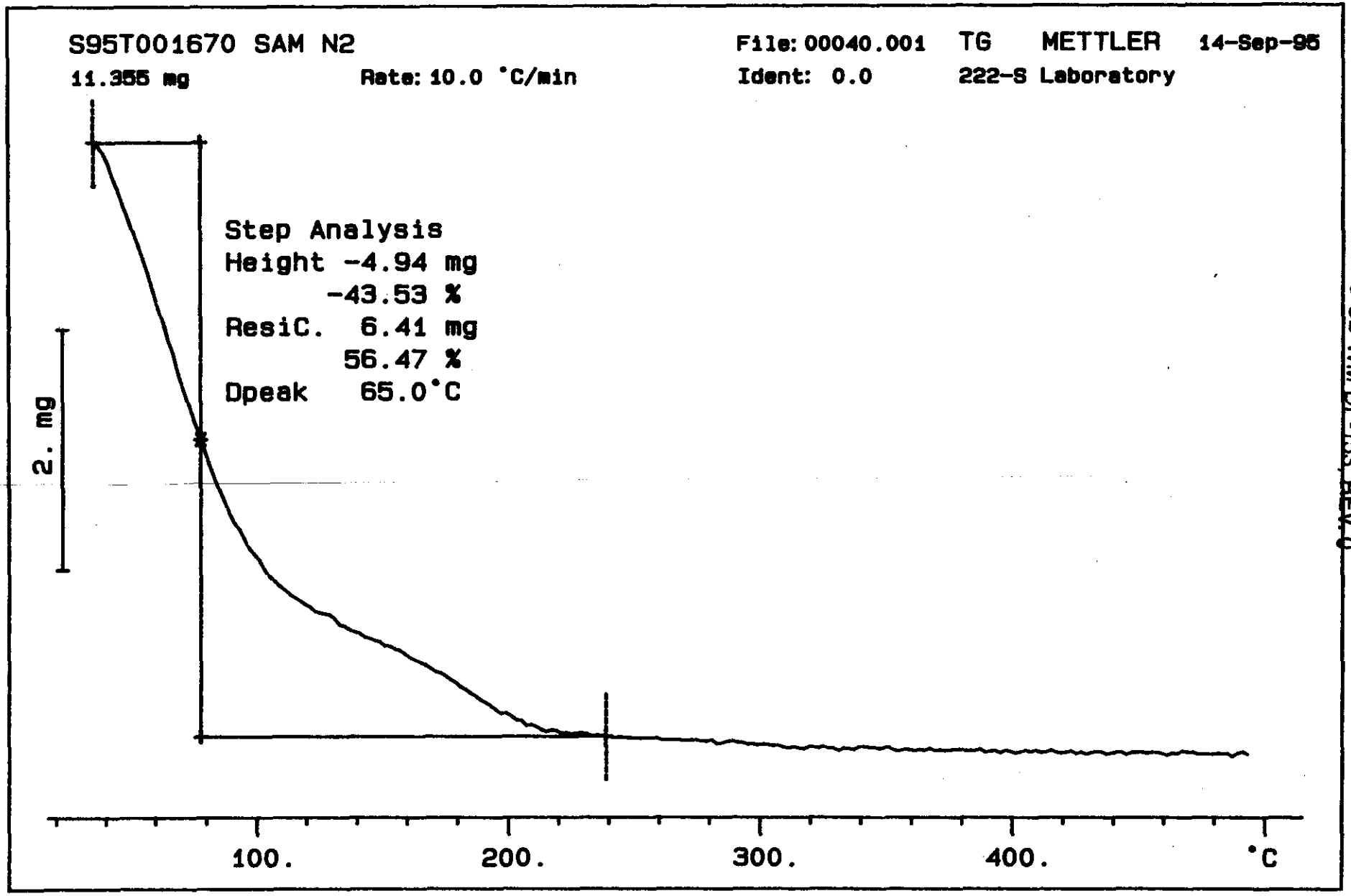
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 557 TO 564.

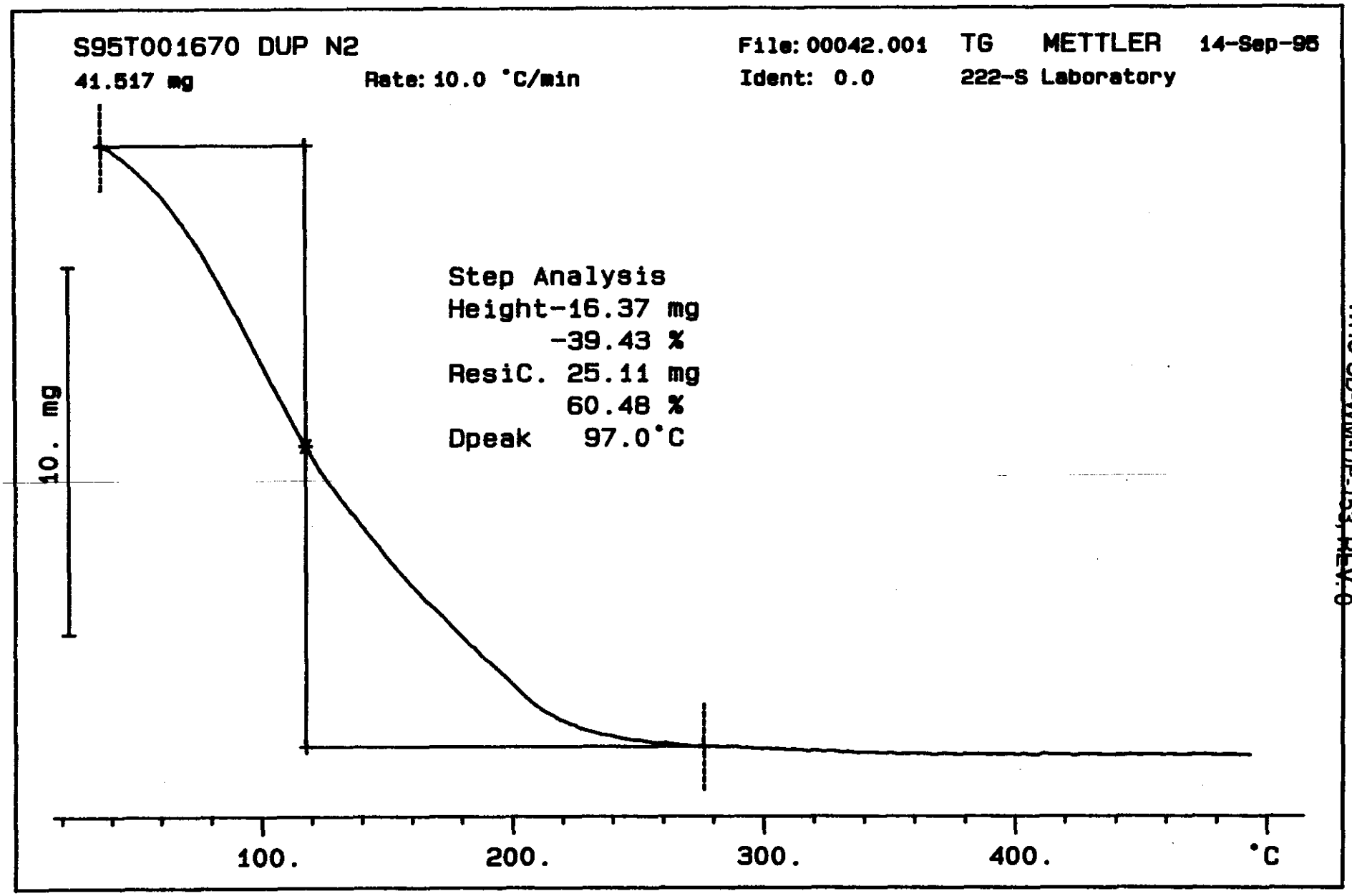
BEST AVAILABLE COPY



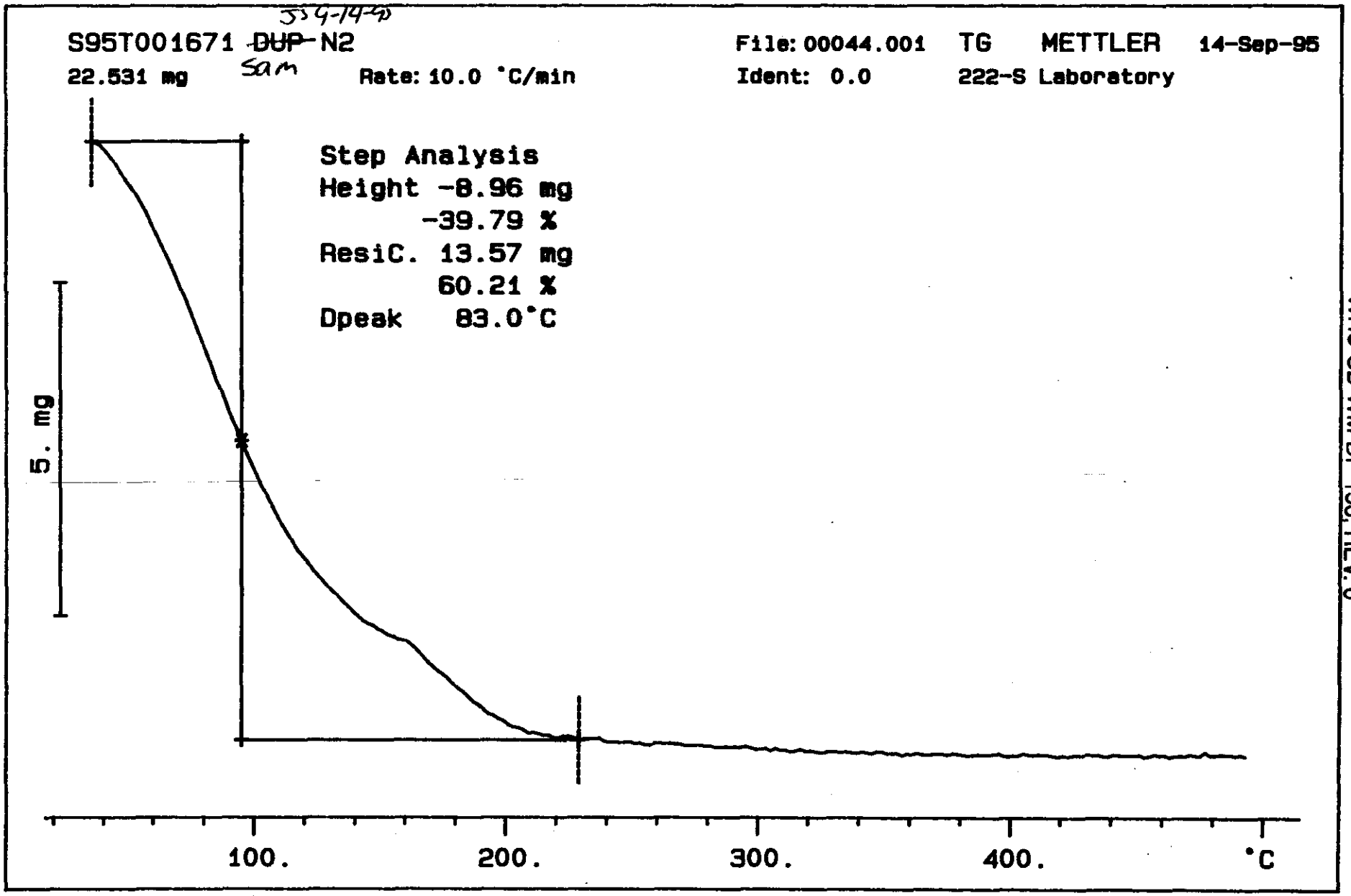
BEST AVAILABLE COPY



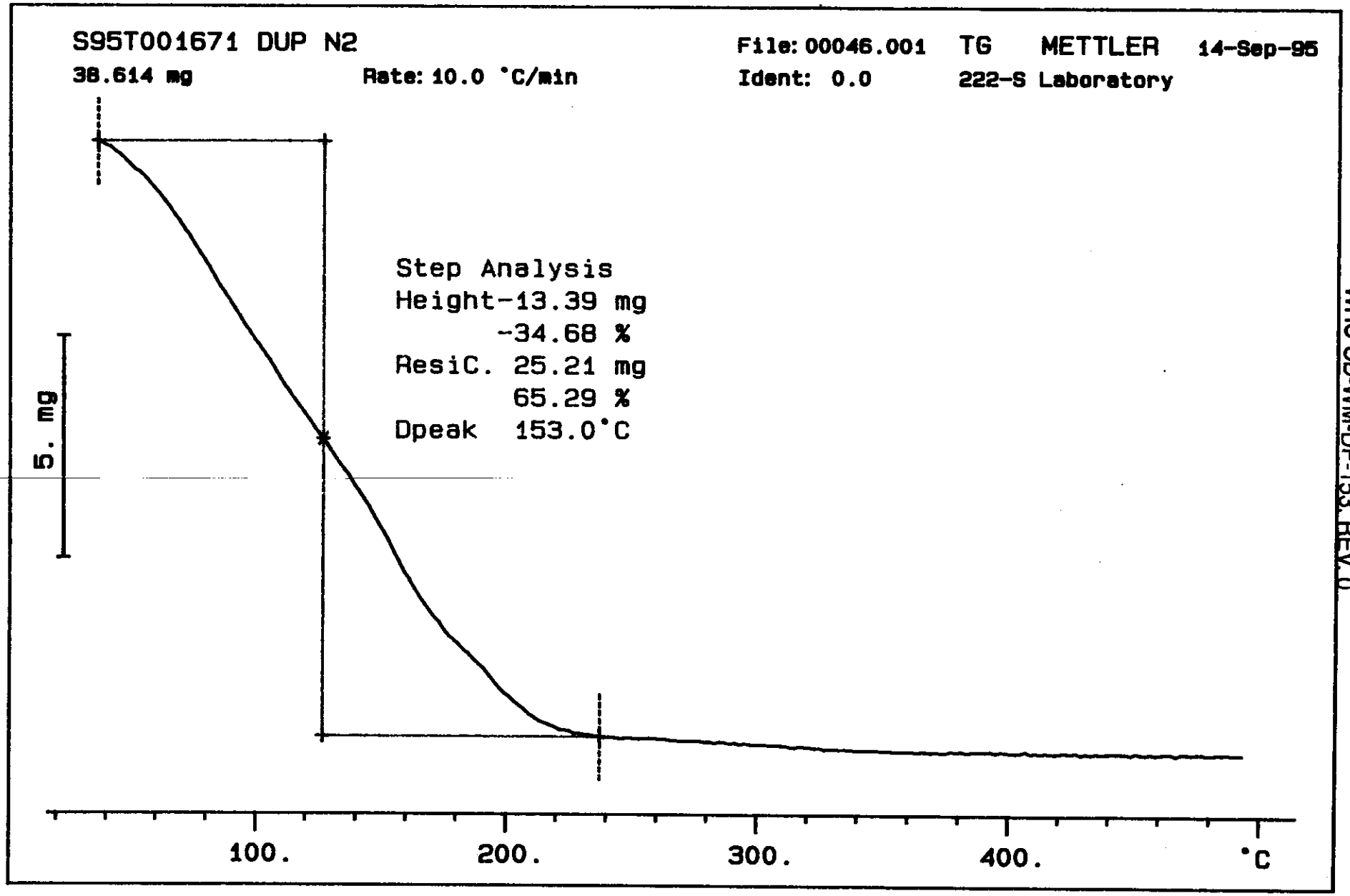
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2178

Analyst: SMF **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-03	SOLID	59.74	60.74	N/A	%
95000116	BY-110	2 SAMPLE	S95T001672	0		TGA-03	SOLID	N/A	12.11		%
95000116	BY-110	3 DUP	S95T001672	0		TGA-03	SOLID	12.11	18.33	N/A	%
95000116	BY-110	4 SAMPLE	S95T001673	0		TGA-03	SOLID	N/A	13.52		%
95000116	BY-110	5 DUP	S95T001673	0		TGA-03	SOLID	13.52	14.82	N/A	%

Final page for worklist # 2178

See attached for signatures
Analyst Signature **Date** 9-25-95 BDV

Analyst Signature **Date**

Verified by Blandina Valenzuela 9-26-95

S95T001672 produced another weight loss step of 21.95% at approximately 160°C.

Data Entry Comments: S95T001673 produced another weight loss step of 17.57% at approximately 170°C.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2178

Analyst: SMF **Instrument:** TGA0 **Book #** 65N8A

Method: ~~LA-560-112 Rev/Mod~~ LA-5~~4~~-114/E0
SMF 9-22-95

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000116	BY-110	2	SAMPLE	S95T001672	0		TGA-01	SOLID	N/A			%
95000116	BY-110	3	DUP	S95T001672	0		TGA-01	SOLID			N/A	%
95000116	BY-110	4	SAMPLE	S95T001673	0		TGA-01	SOLID	N/A			%
95000116	BY-110	5	DUP	S95T001673	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2178

SMFulton 9-22-95 2330
Analyst Signature **Date**

RHHod
Analyst Signature **Date**

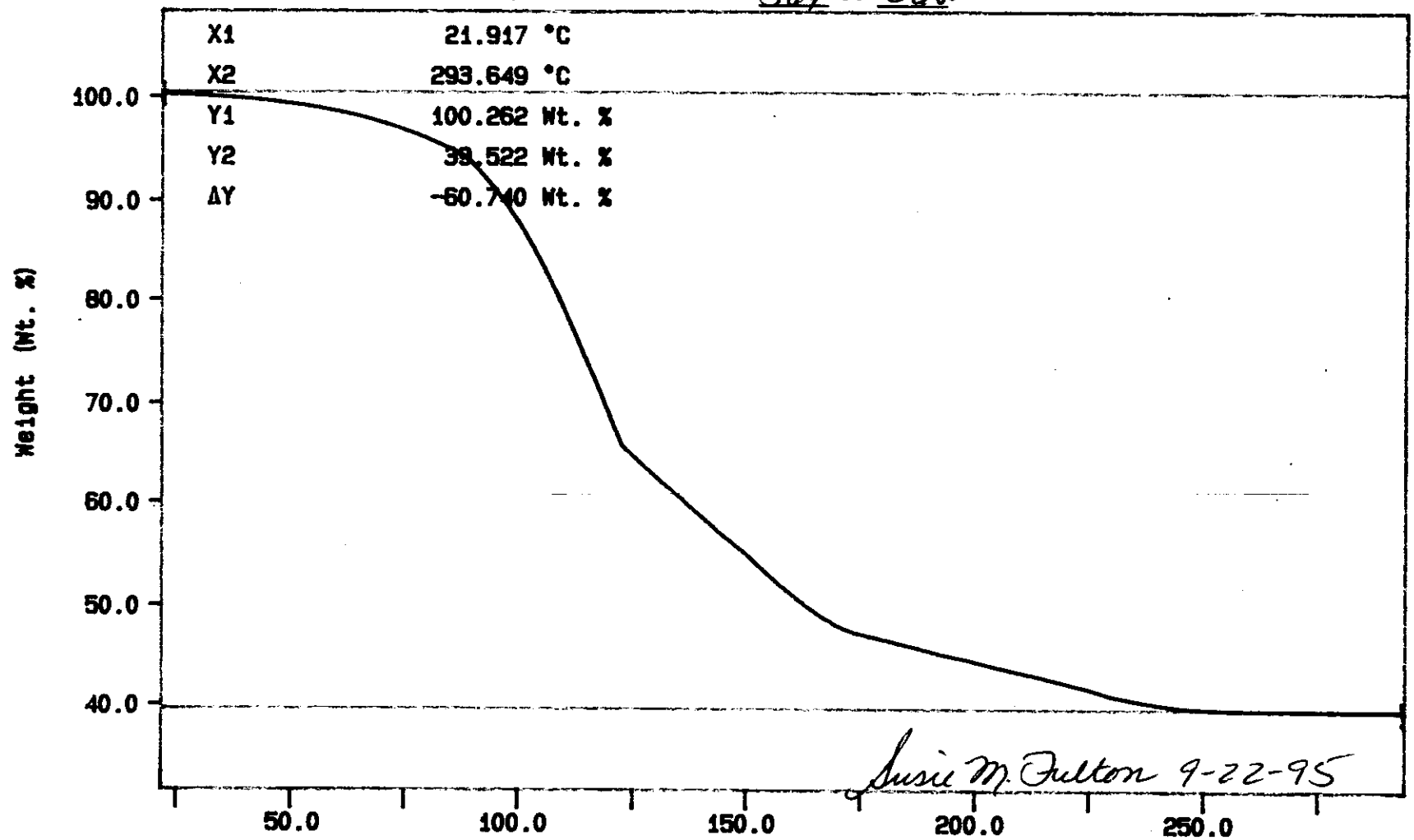
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER092201 Fri Sep 22 16:25:17 1995
Sample Weight: 16.831 mg
65N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 564 TO 568.

BEST AVAILABLE COPY

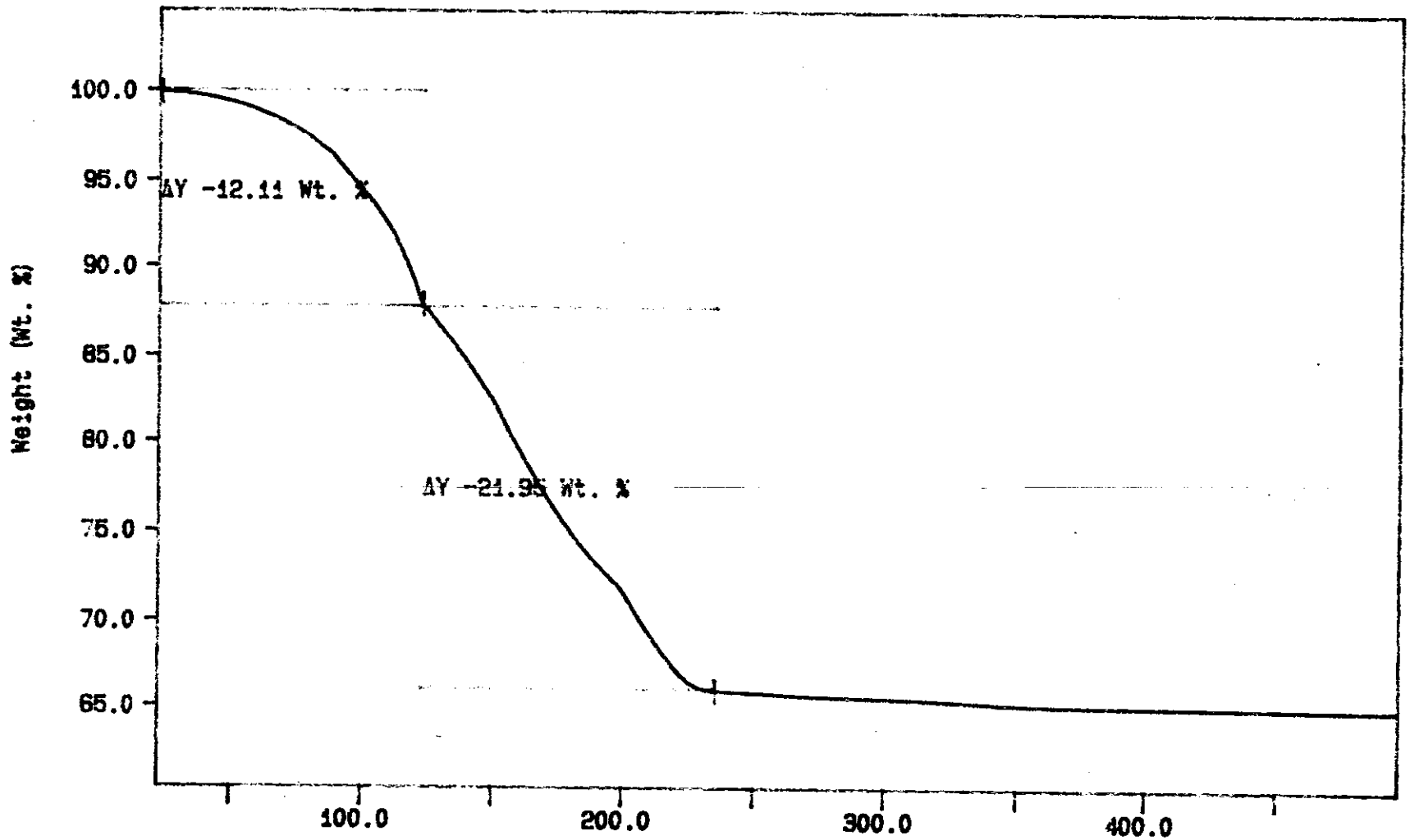


N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Sep 22 16:37:23 1995

Curve 1: TGA
File info: SAM092203 Fri Sep 22 20:12:00 1995
Sample Weight: 24.072 mg
S95T001672, at 10C/min

BEST AVAILABLE COPY

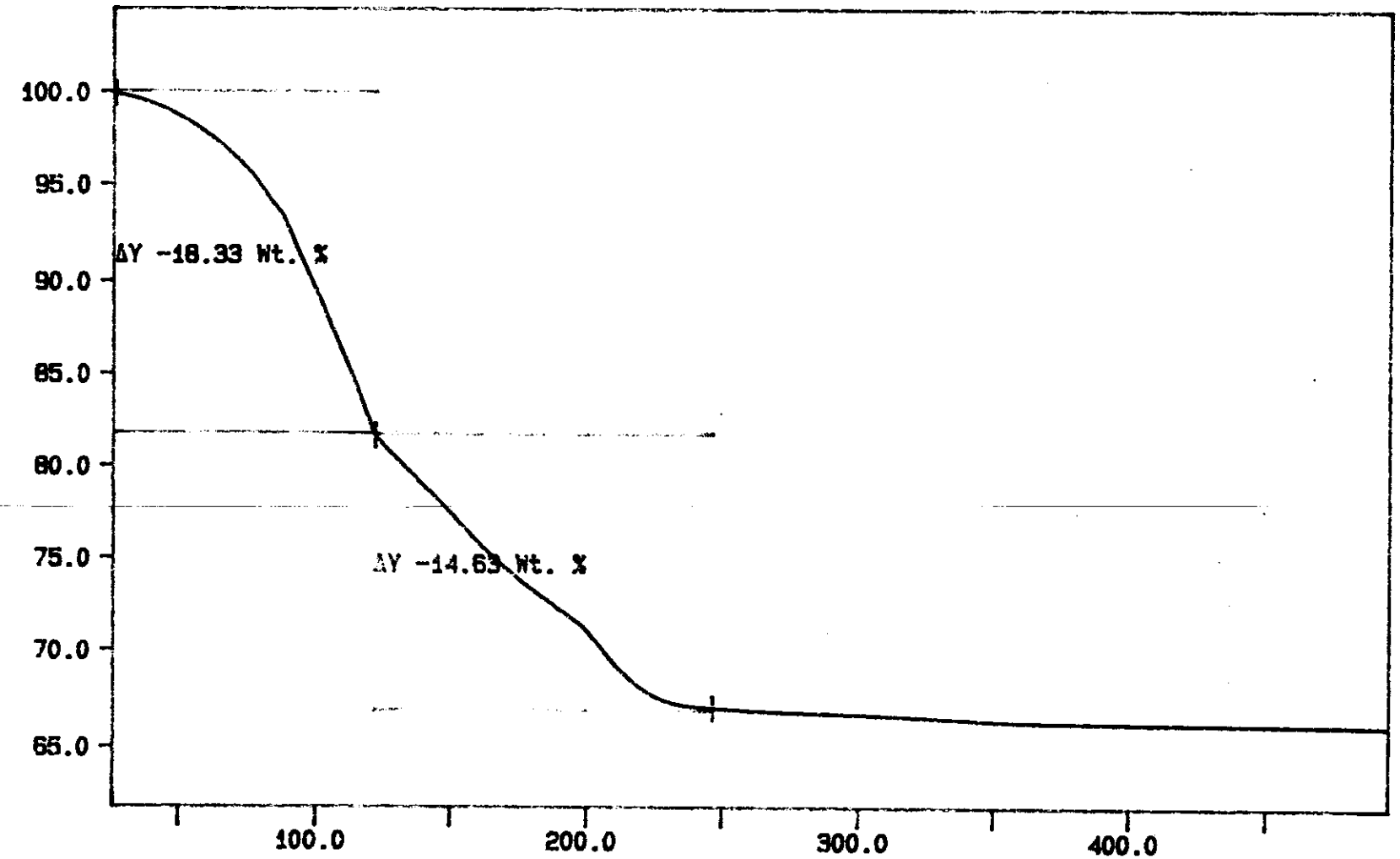


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 10:11:56 1995

Curve 1: TGA
File info: SAM092204 Fri Sep 22 21:51:03 1995
Sample Weight: 15.964 mg
S95T001672 DUP, at 10C/min

BEST AVAILABLE COPY

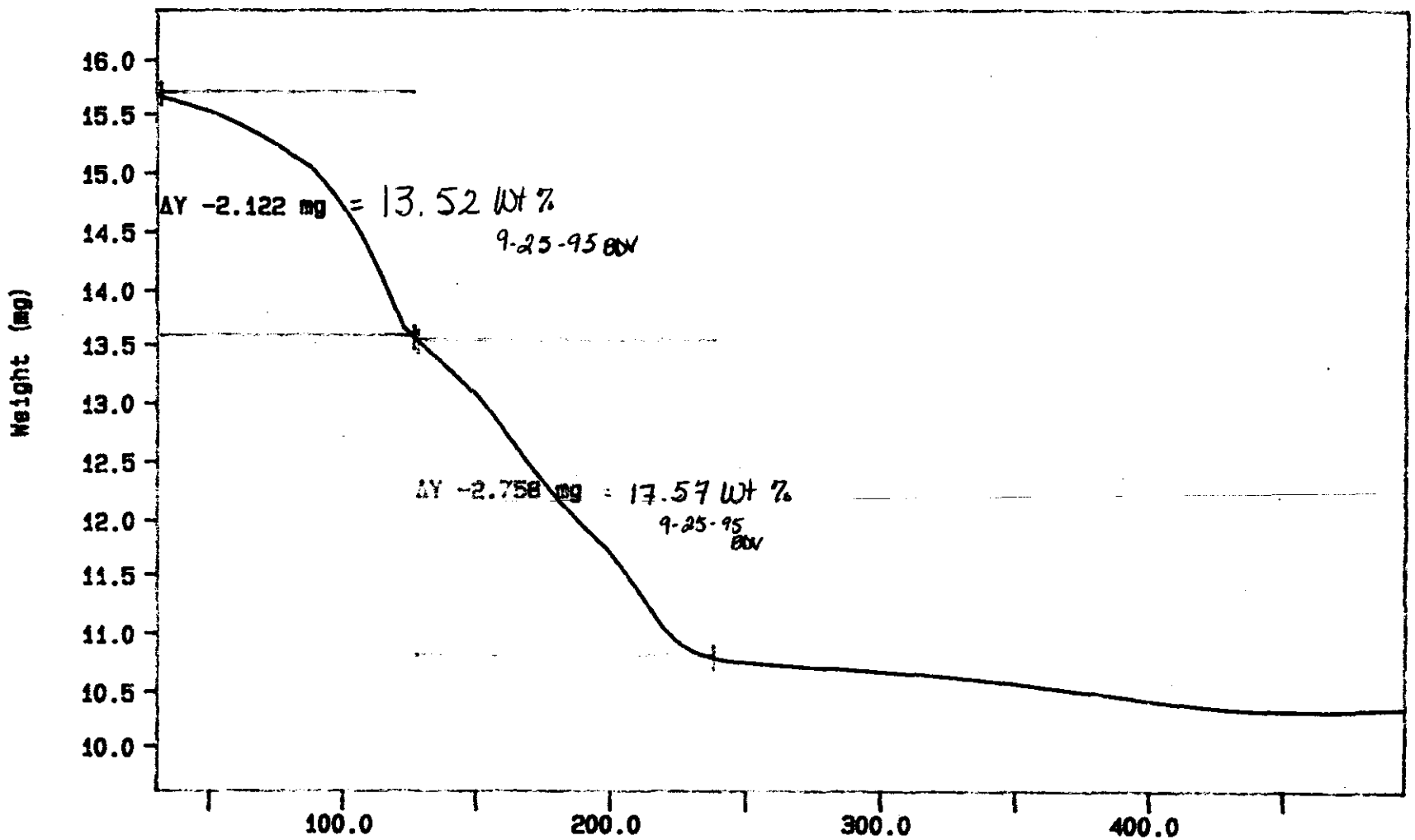


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 10:16:56 1995

Curve 1: TGA
File info: SAM092201 Fri Sep 22 17:29:30 1995
Sample Weight: 15.705 mg
~~J 2093 at 10C/min~~ SMF 9-22-95
SA5T001673

BEST AVAILABLE COPY

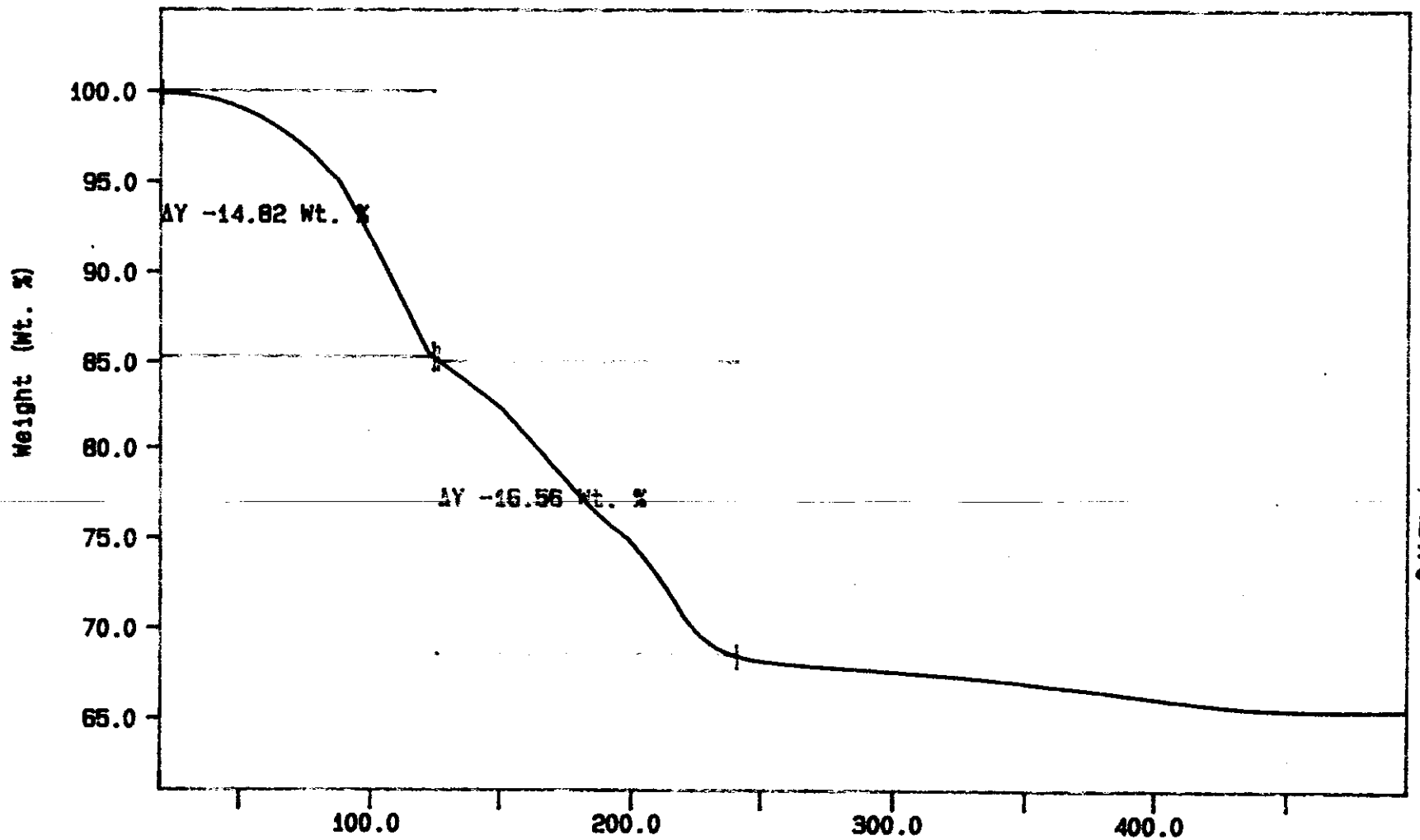


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Sep 22 17:55:25 1995

Curve 1: TGA
File info: SAM092202 Fri Sep 22 18:59:42 1995
Sample Weight: 19.156 mg
S95T001673 DUP, at 10C/min

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Sep 22 19:06:28 1995

WHC-SD-WM-DP-153, REV. 0

LABCORE Data Entry Template for Worklist# 2179

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B O

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.41	N/A	%
95000116	BY-110	2	SAMPLE	S95T001674	0		TGA-01	SOLID	N/A	33.71		%
95000116	BY-110	3	DUP	S95T001674	0		TGA-01	SOLID	33.71	32.75	N/A	%
95000116	BY-110	4	SAMPLE	S95T001675	0		TGA-01	SOLID	N/A	28.13		%
95000116	BY-110	5	DUP	S95T001675	0		TGA-01	SOLID	28.13	36.24	N/A	%

Final page for worklist # 2179

Anthony Parenta 9-28-95
Analyst Signature **Date**

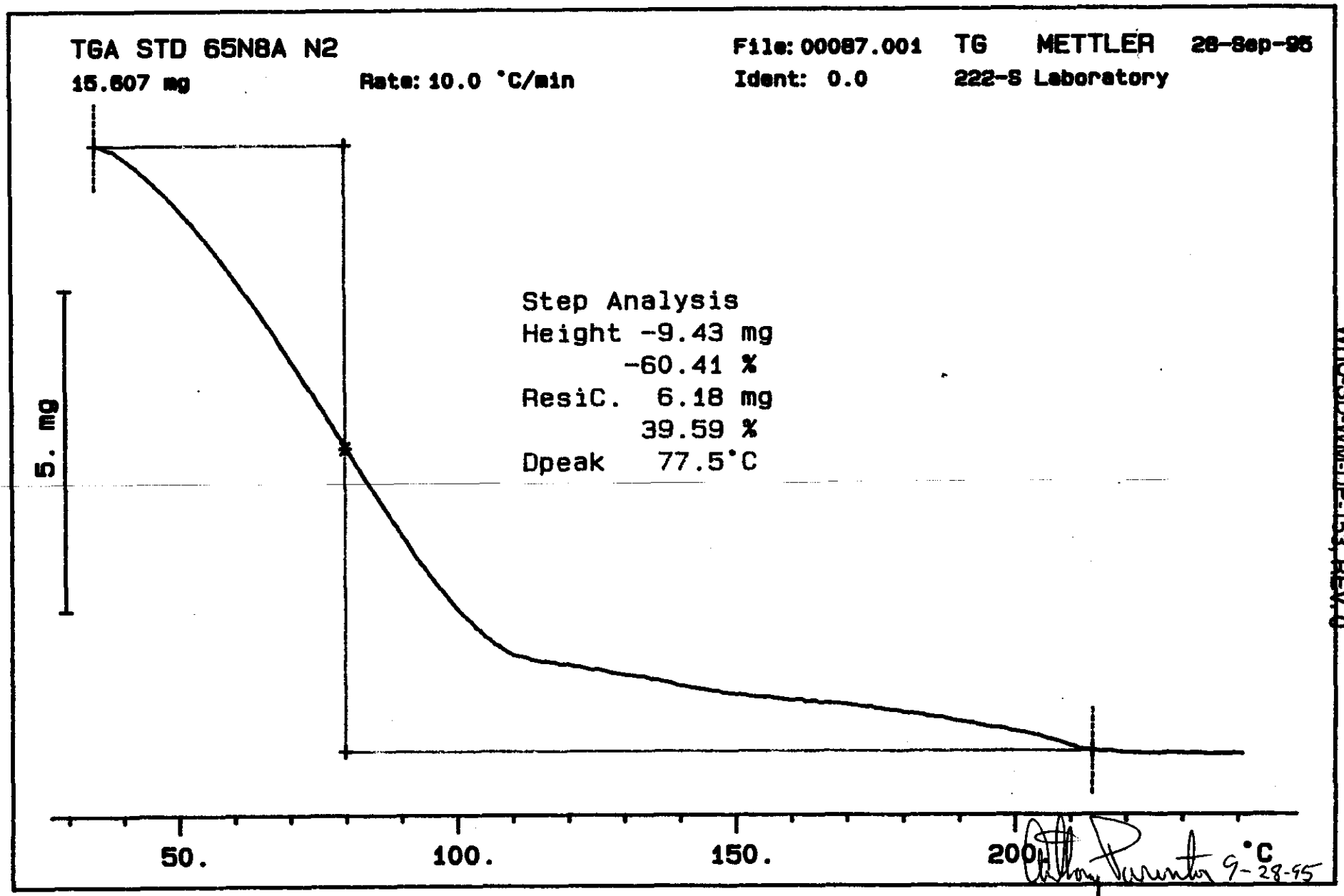
Analyst Signature **Date**

Verified by Blandina Valenzuela
10-2-95

Data Entry Comments:

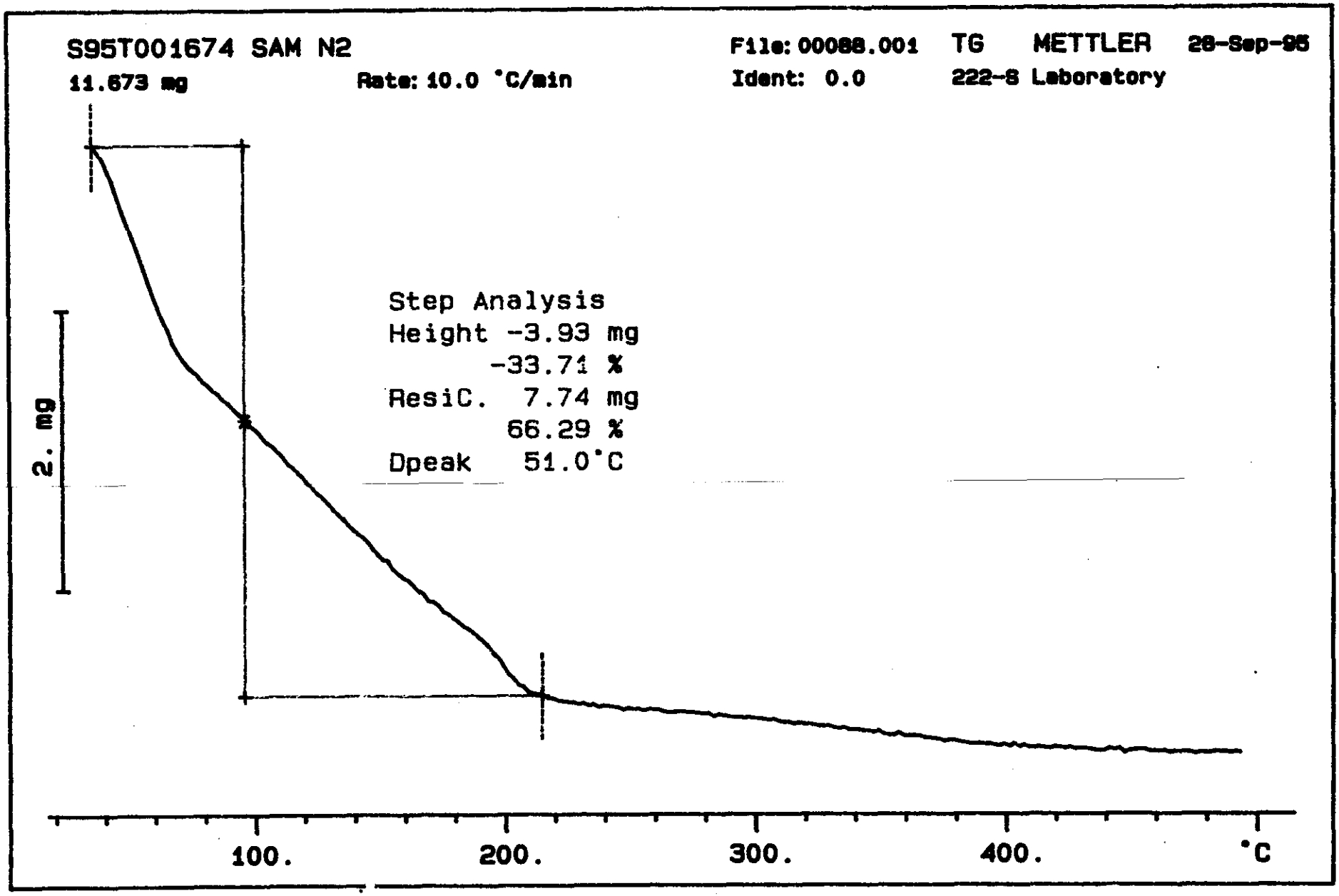
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 570 TO 574. BEST AVAILABLE COPY

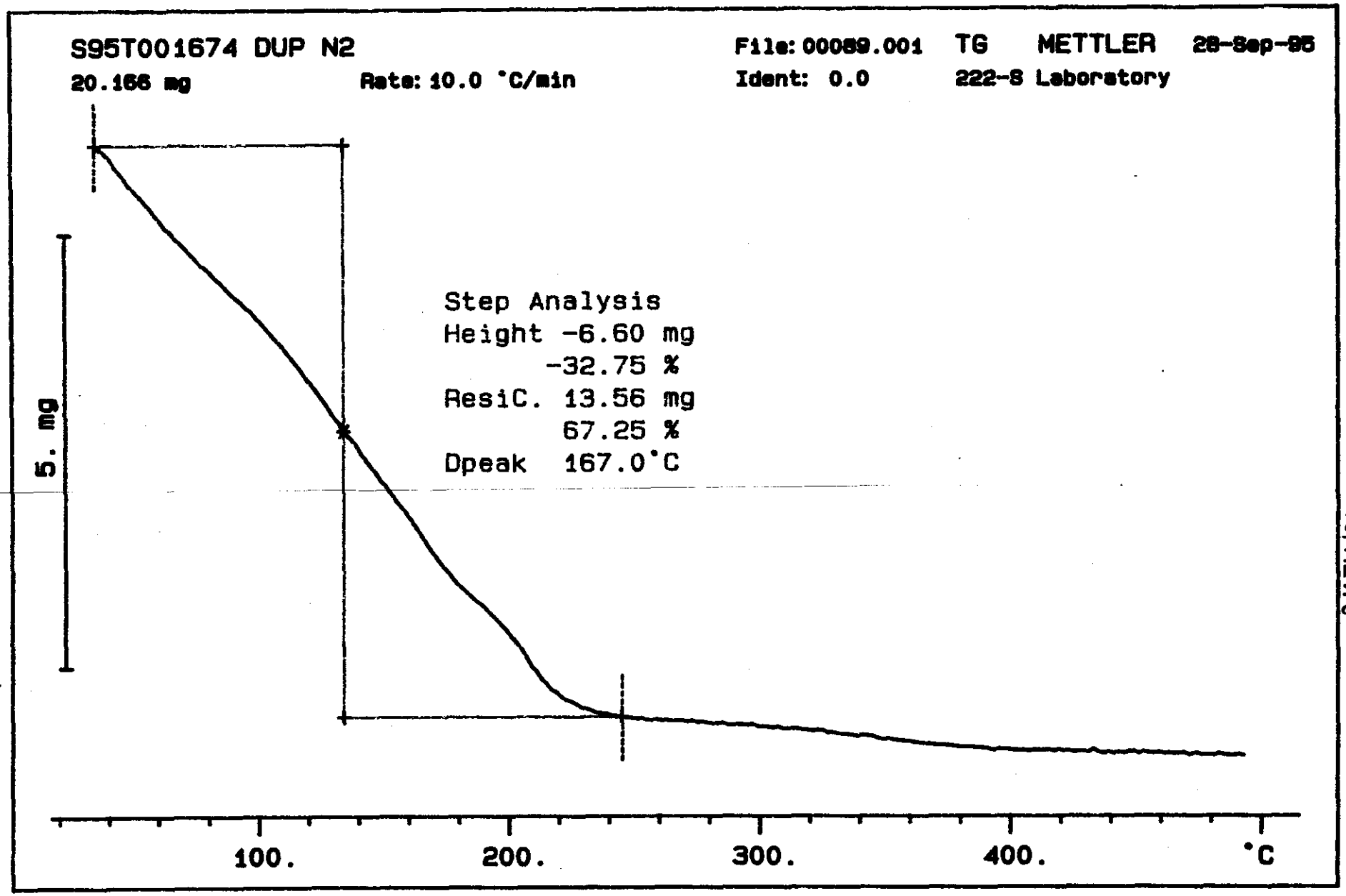


Anthony Parunto 9-28-95

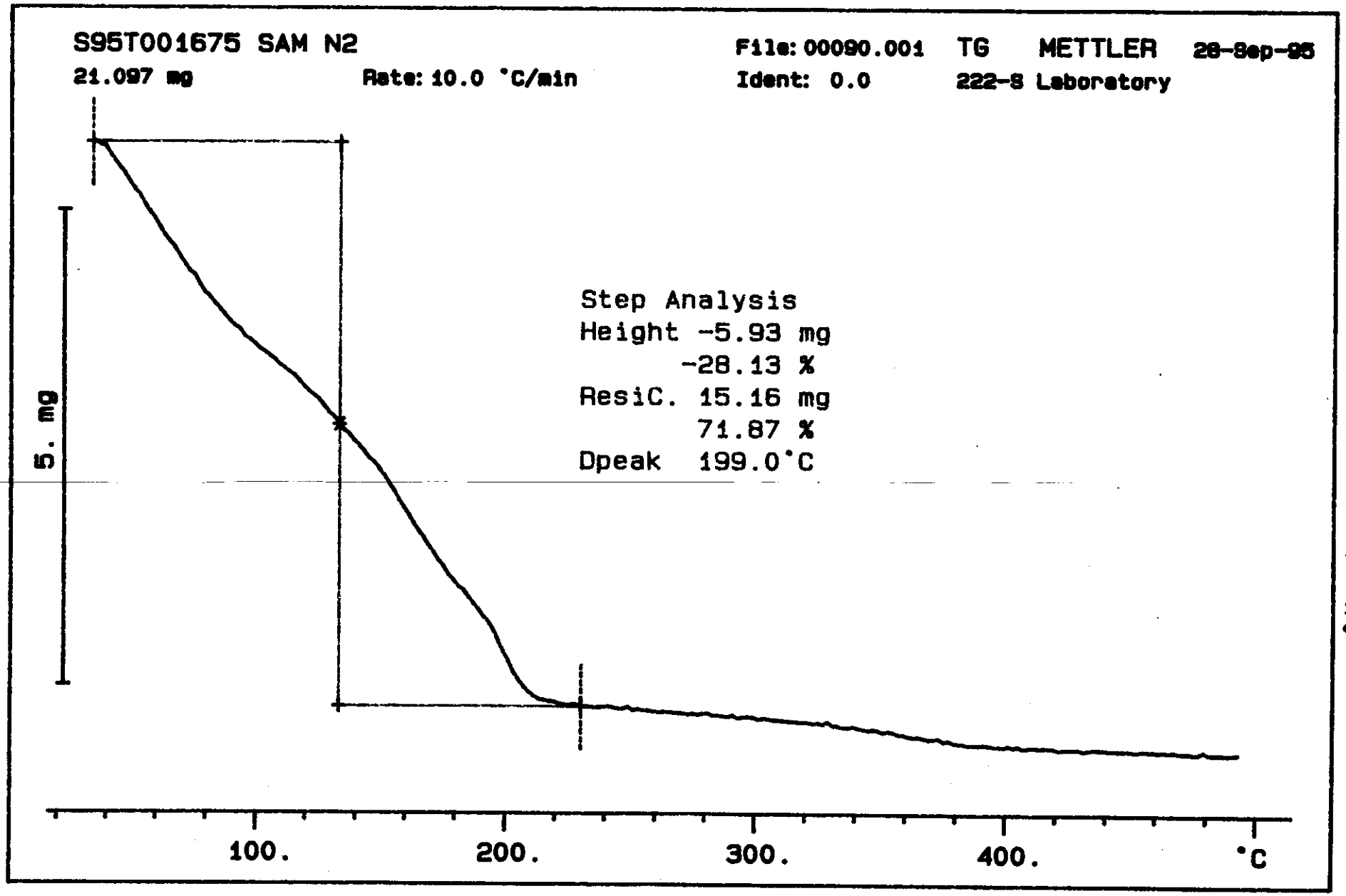
BEST AVAILABLE COPY



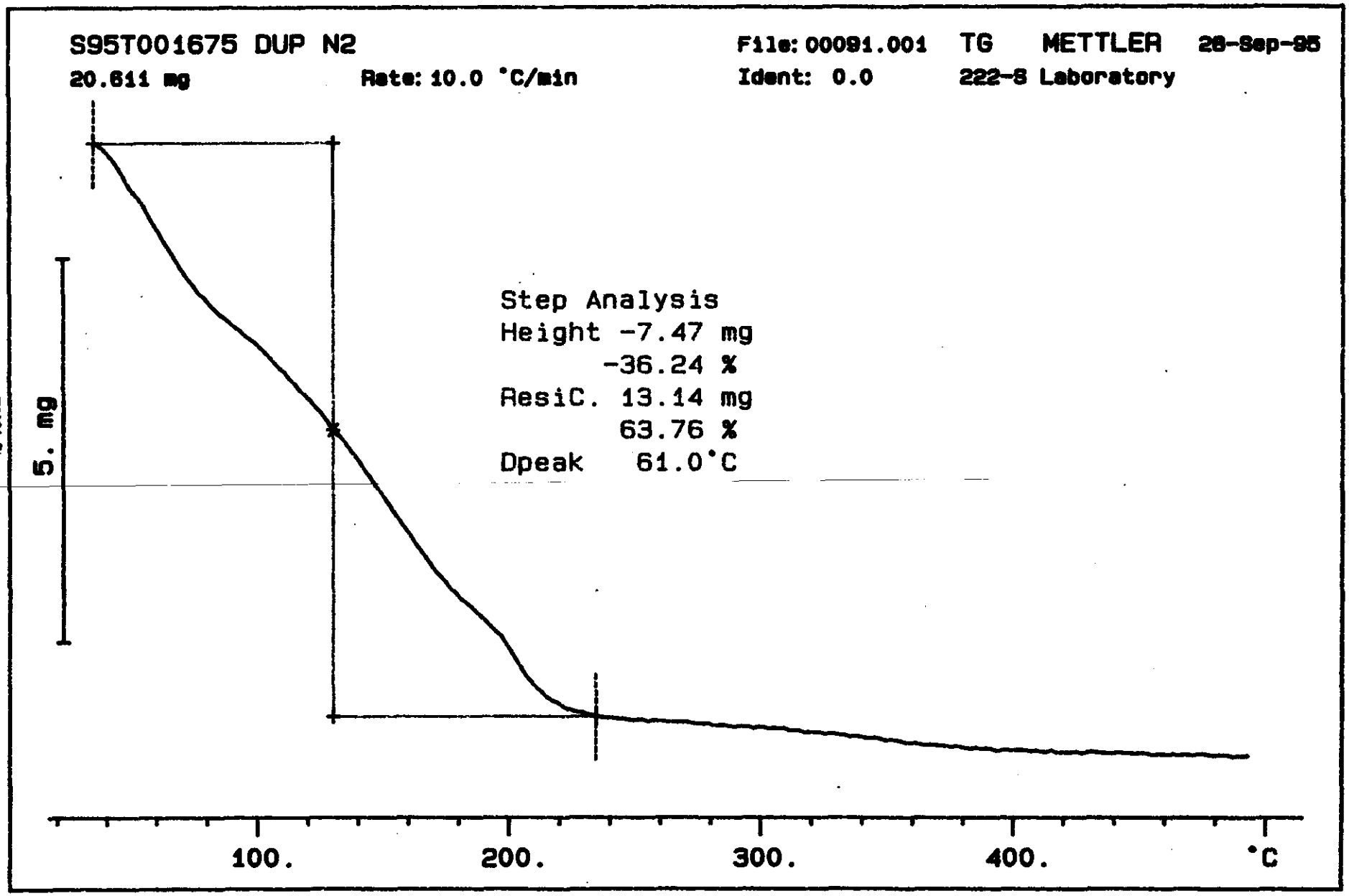
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2180

Analyst: Jds **Instrument:** TGA0 1 **Book #** 65N84

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.54	N/A	%
95000116	BY-110	2	SAMPLE	S95T001676	0		TGA-01	SOLID	N/A	31.44		%
95000116	BY-110	3	DUP	S95T001676	0		TGA-01	SOLID	31.44	28.60	N/A	%
95000116	BY-110	4	SAMPLE	S95T001677	0		TGA-01	SOLID	N/A	26.44		%
95000116	BY-110	5	DUP	S95T001677	0		TGA-01	SOLID	26.44	24.17	N/A	%

Final page for worklist # 2180

9-28-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-2-95

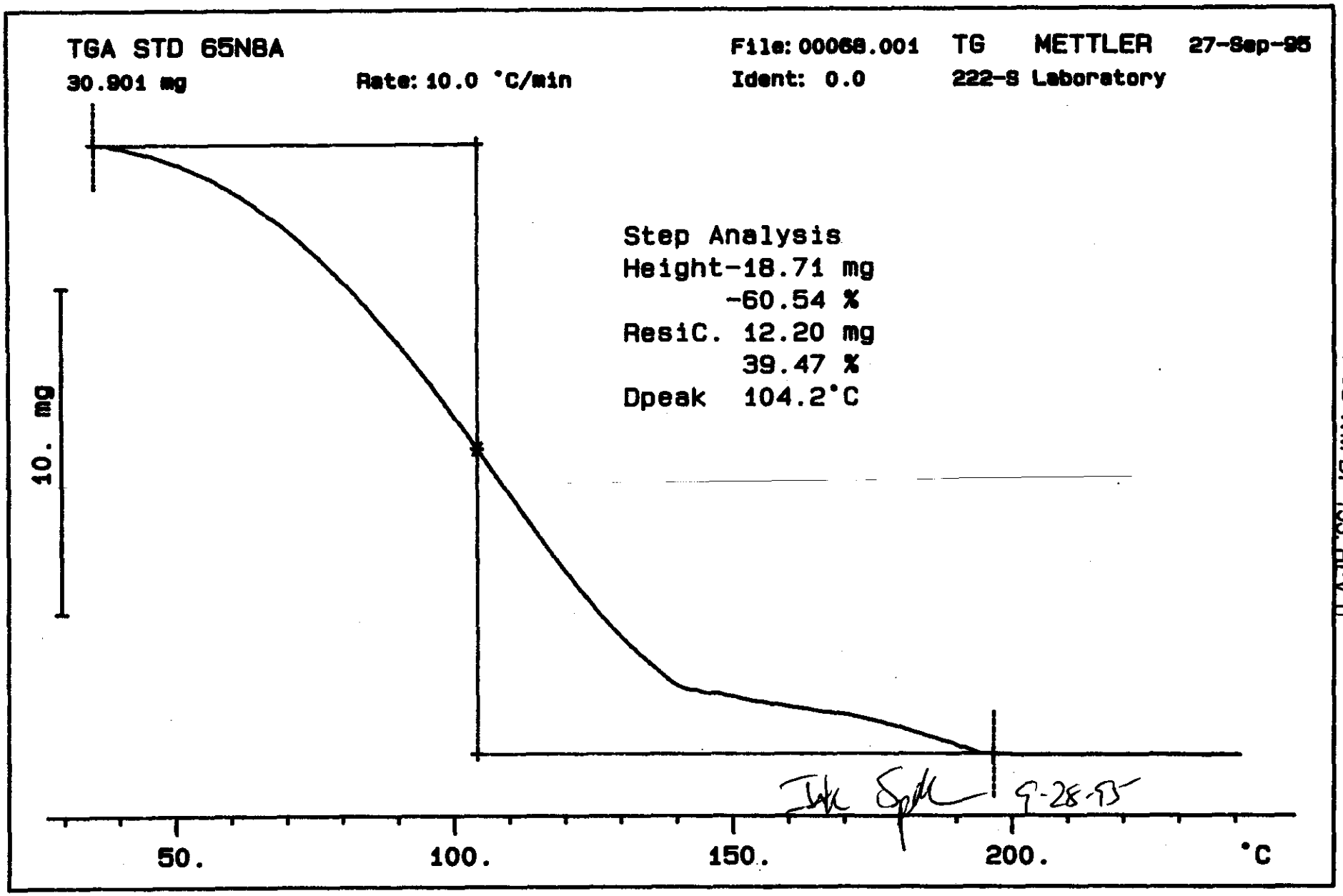
9-29-95
Analyst Signature **Date**

S95T001676 produced a second weight loss step of ~~3.74~~ 2.92% at approximately 280°C. 10-2-95 BDV

Data Entry Comments: S95T001677 produced a second weight of 3.71% at approximately 260°C.

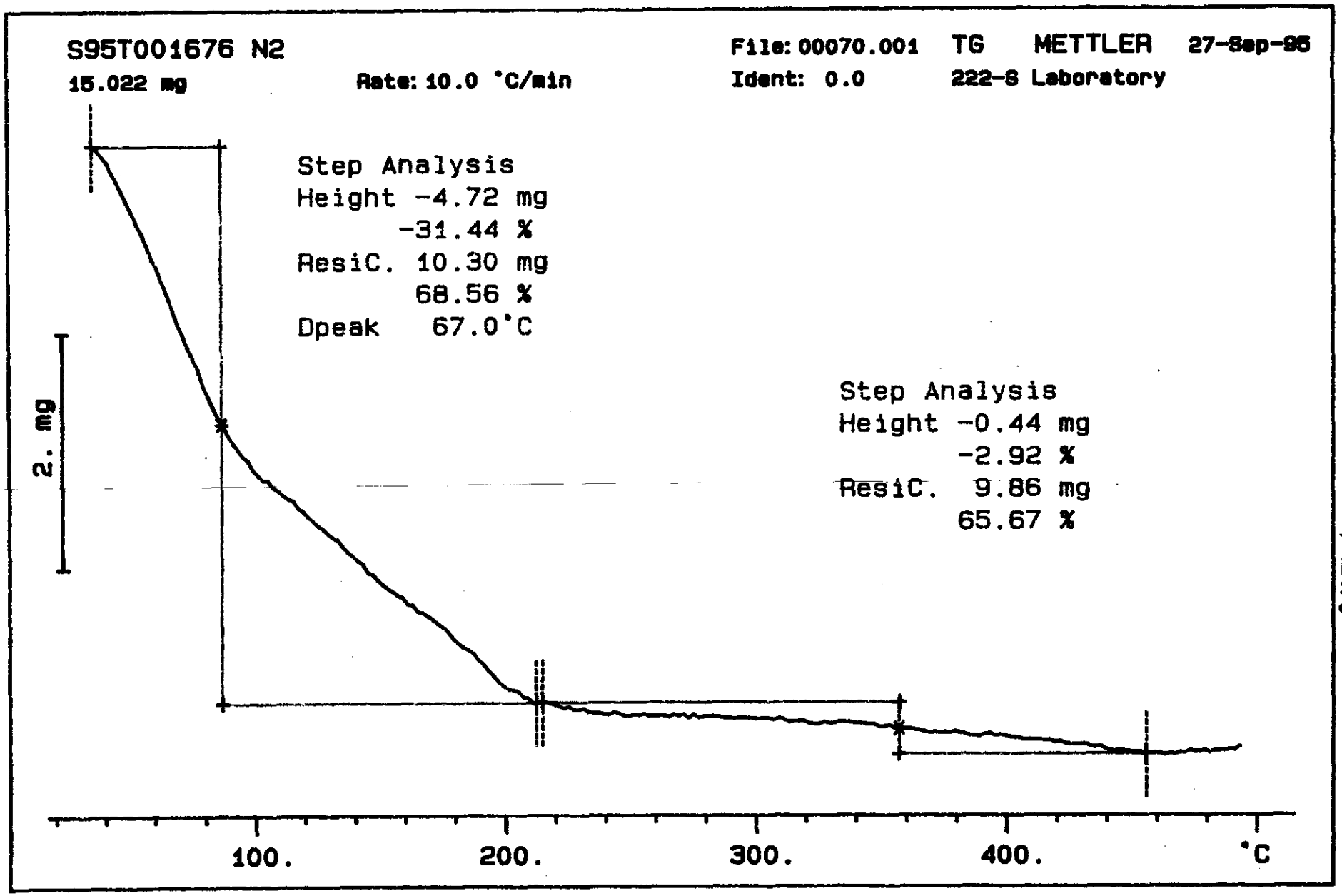
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 576 TO 580. BEST AVAILABLE COPY

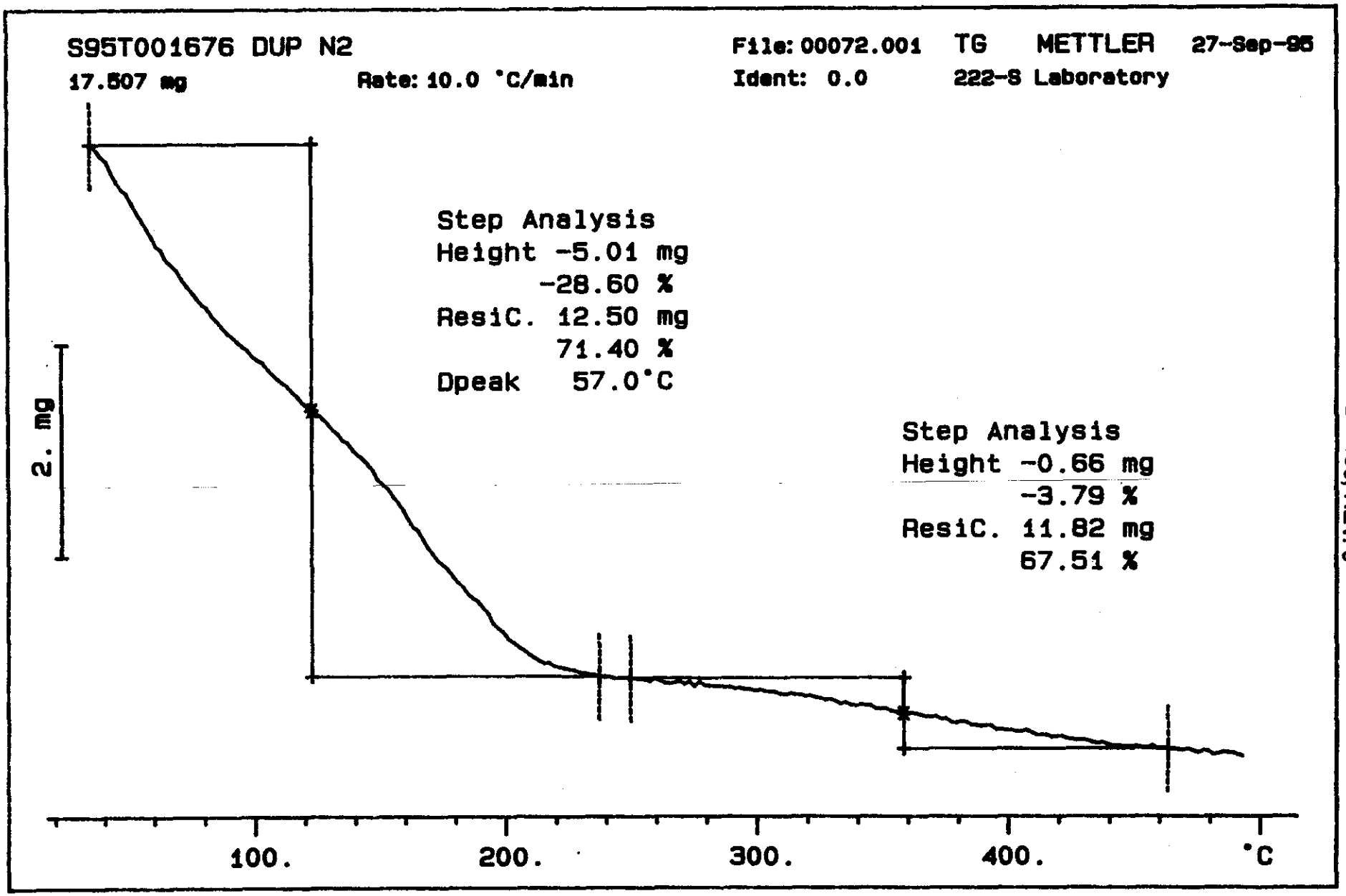


9-28-95

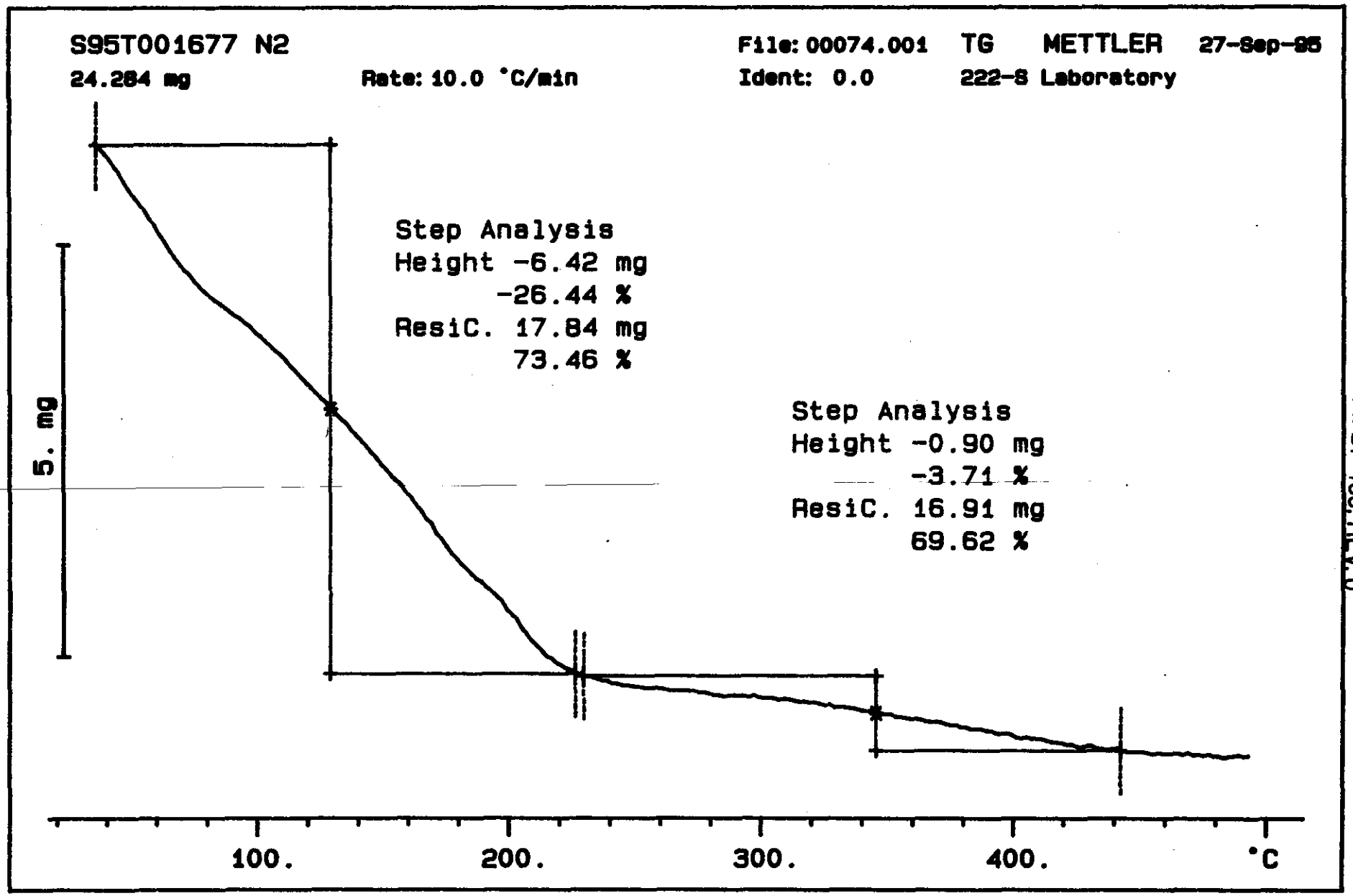
BEST AVAILABLE COPY



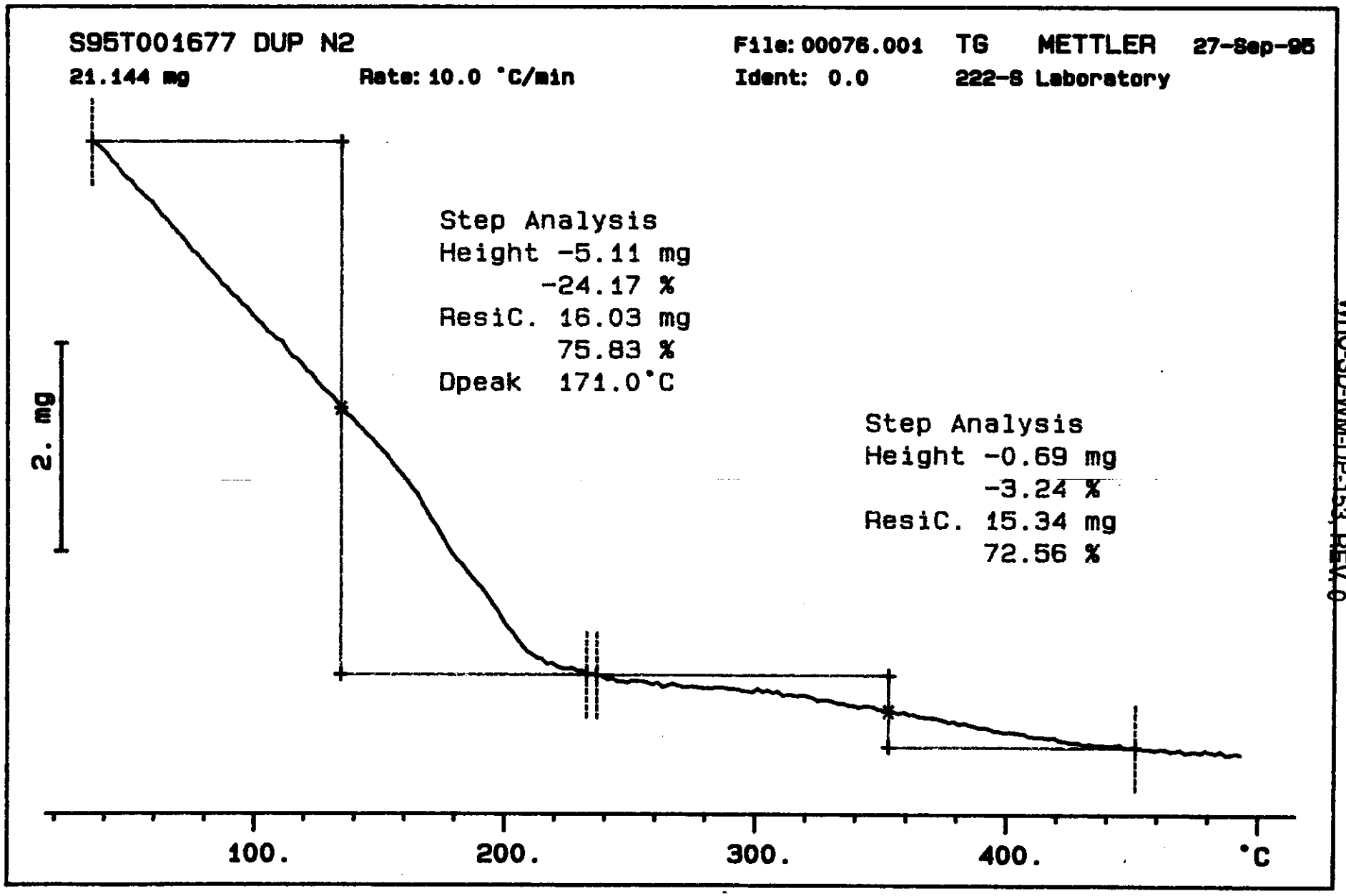
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2183

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL 10-6-95 BDV	UNIT
		1	STD				TGA-03	SOLID	59.74	60.2~~6~~7	N/A	%
95000095	BY-110	2	SAMPLE	S95T001732	0		TGA-03	SOLID	N/A	15.48		%
95000095	BY-110	3	DUP	S95T001732	0		TGA-03	SOLID	15.48	17.99	N/A	%
95000123	BY-110	4	SAMPLE	S95T001834	0		TGA-03	SOLID	N/A	9.61		%
95000123	BY-110	5	DUP	S95T001834	0		TGA-03	SOLID	9.61	9.17	N/A	%

Final page for worklist # 2183

See attached for signatures 10-2-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

[signature] 10-9-95
Analyst Signature **Date**

~~S95T001~~ 10-6-95 BDV

Data Entry Comments: S95T001834 produced a weight loss step of 2.05% at approximately 290°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2183

Analyst: sds **Instrument:** TGA0 **Book #** 65N8A

Method: LA-560-112 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

22

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000123	BY-110	2	SAMPLE	S95T001834	0		TGA-01	SOLID	N/A			%
95000123	BY-110	3	DUP	S95T001834	0		TGA-01	SOLID			N/A	%
95000095	BY-110	4	SAMPLE	S95T001732	0		TGA-01	SOLID	N/A			%
95000095	BY-110	5	DUP	S95T001732	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2183

10-2-95

Analyst Signature **Date**

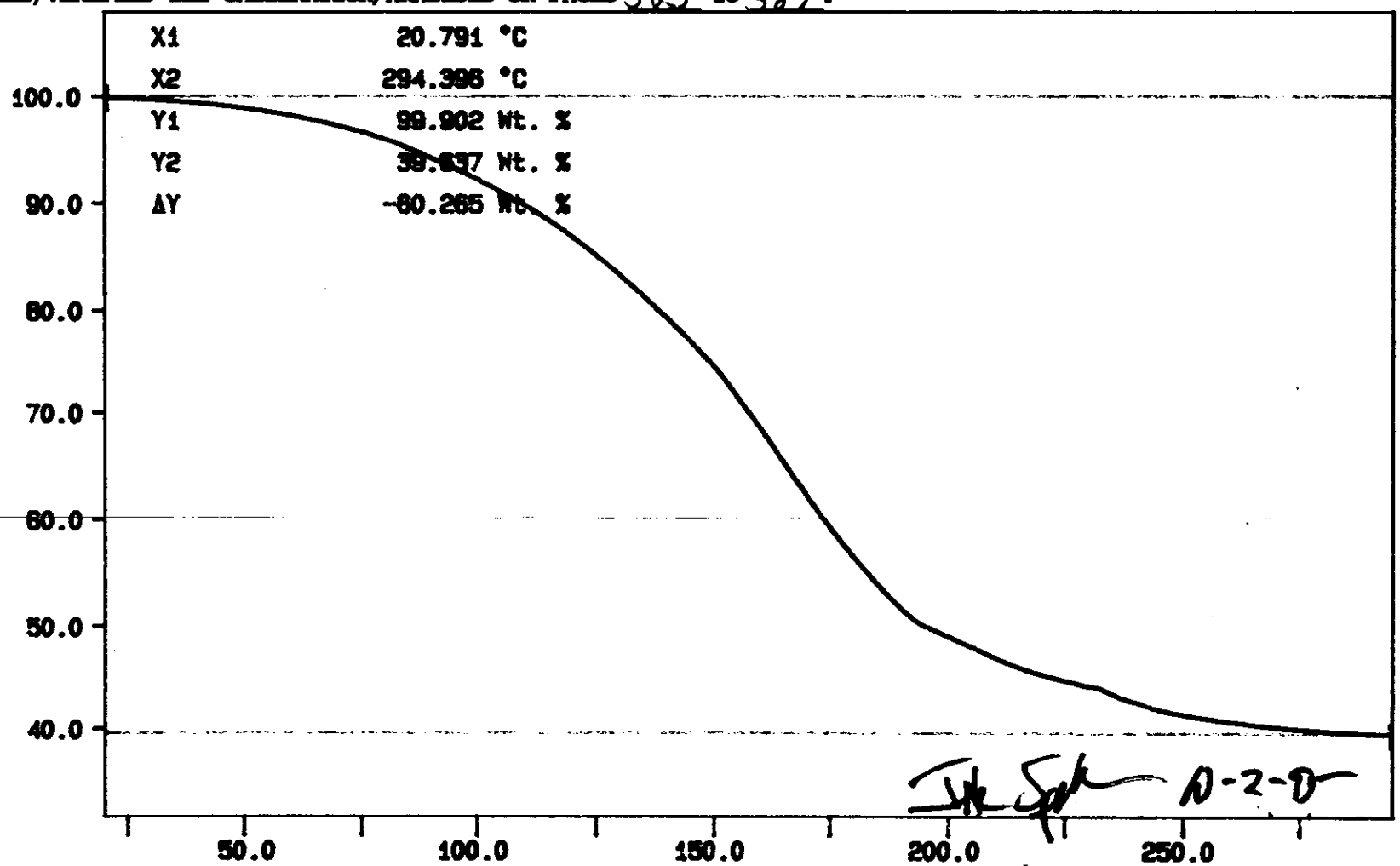
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER100201 Mon Oct 2 16:21:45 1995
Sample Weight: 24.255 mg
65N8-A Terliq
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 583 TO 587.

BEST AVAILABLE COPY



N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 250.0 C

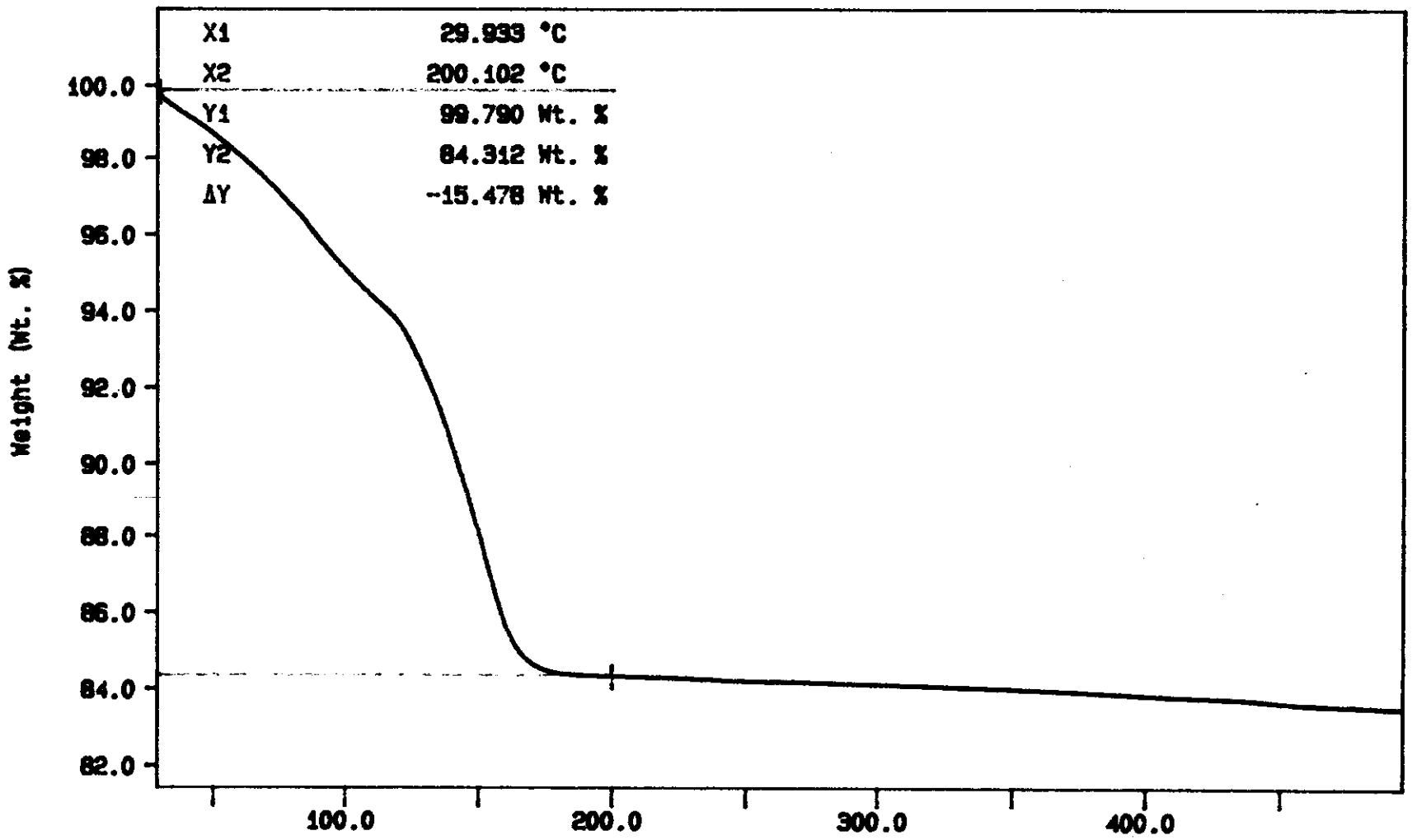
JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 2 16:22:23 1995

583

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM100204 Mon Oct 2 20:46:32 1995
Sample Weight: 12.377 mg
S95T001732

BEST AVAILABLE COPY



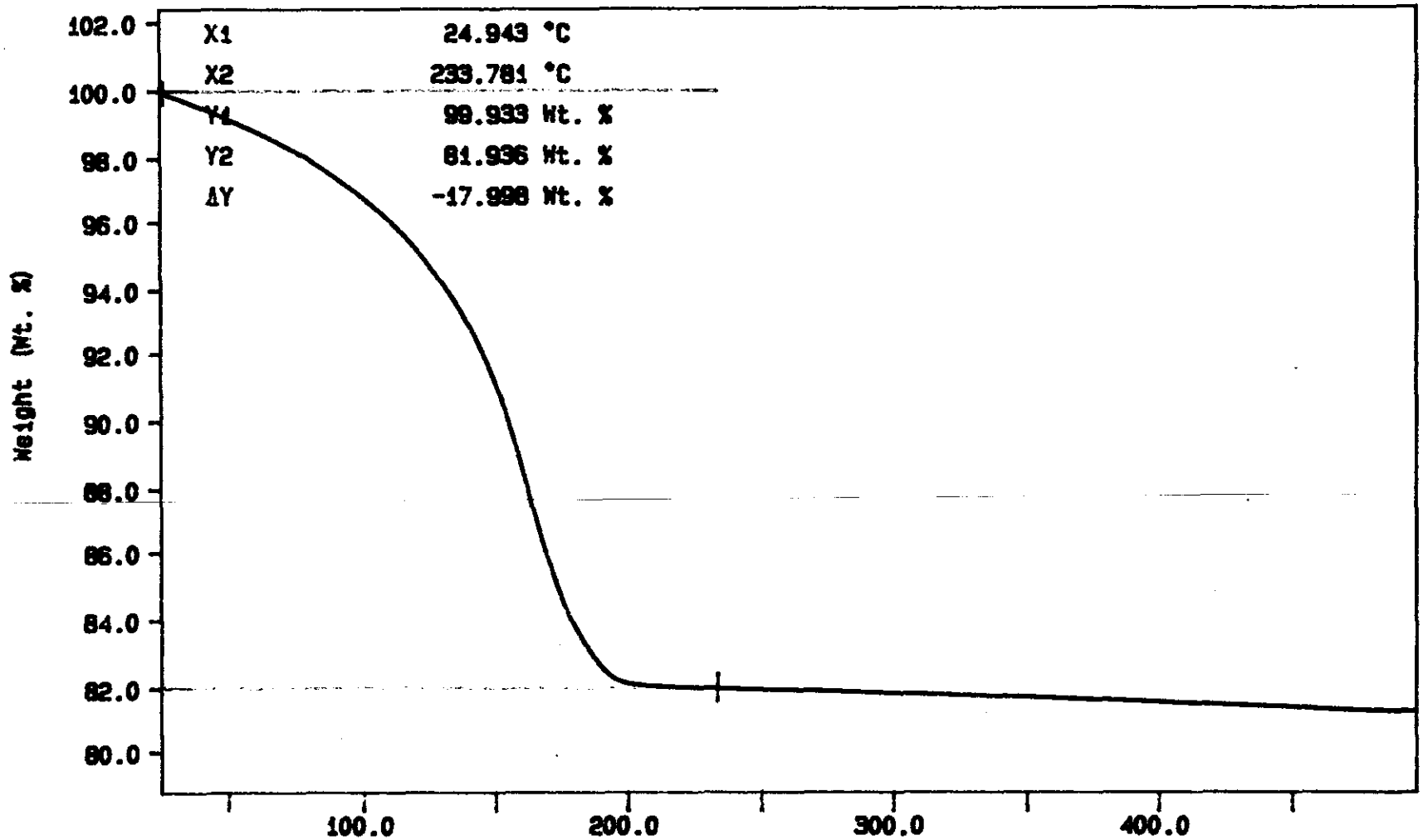
N2
TEMP1: 30.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 2 22:39:29 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM100205 Mon Oct 2 22:26:04 1995
Sample Weight: 23.032 mg
S95T001732 DUP

BEST AVAILABLE COPY

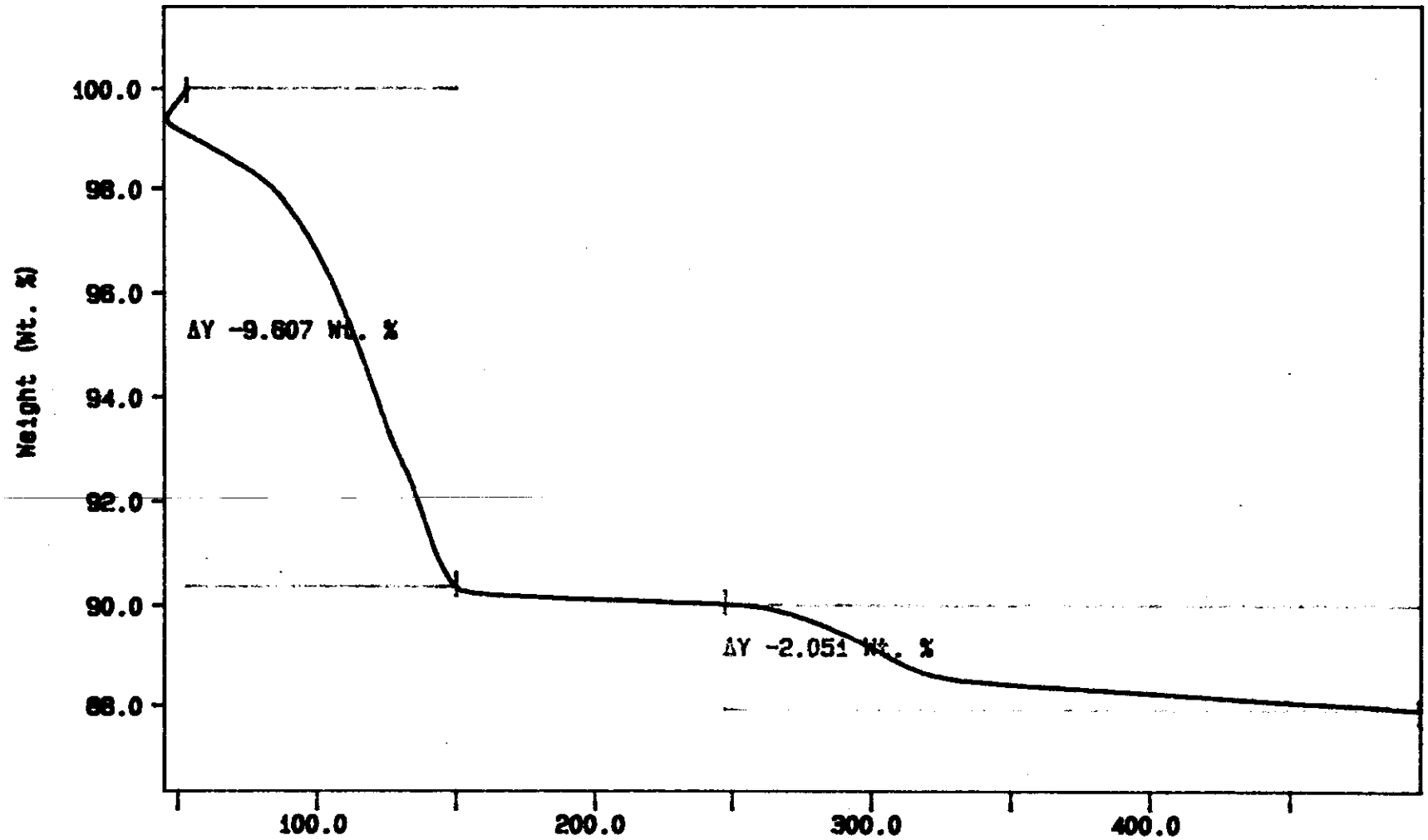


N2
TEMP: 25.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 2 22:34:00 1995

Curve 1: TGA
File info: SAM100201 Mon Oct 2 17:20:57 1995
Sample Weight: 14.613 mg
S95T001834

BEST AVAILABLE COPY

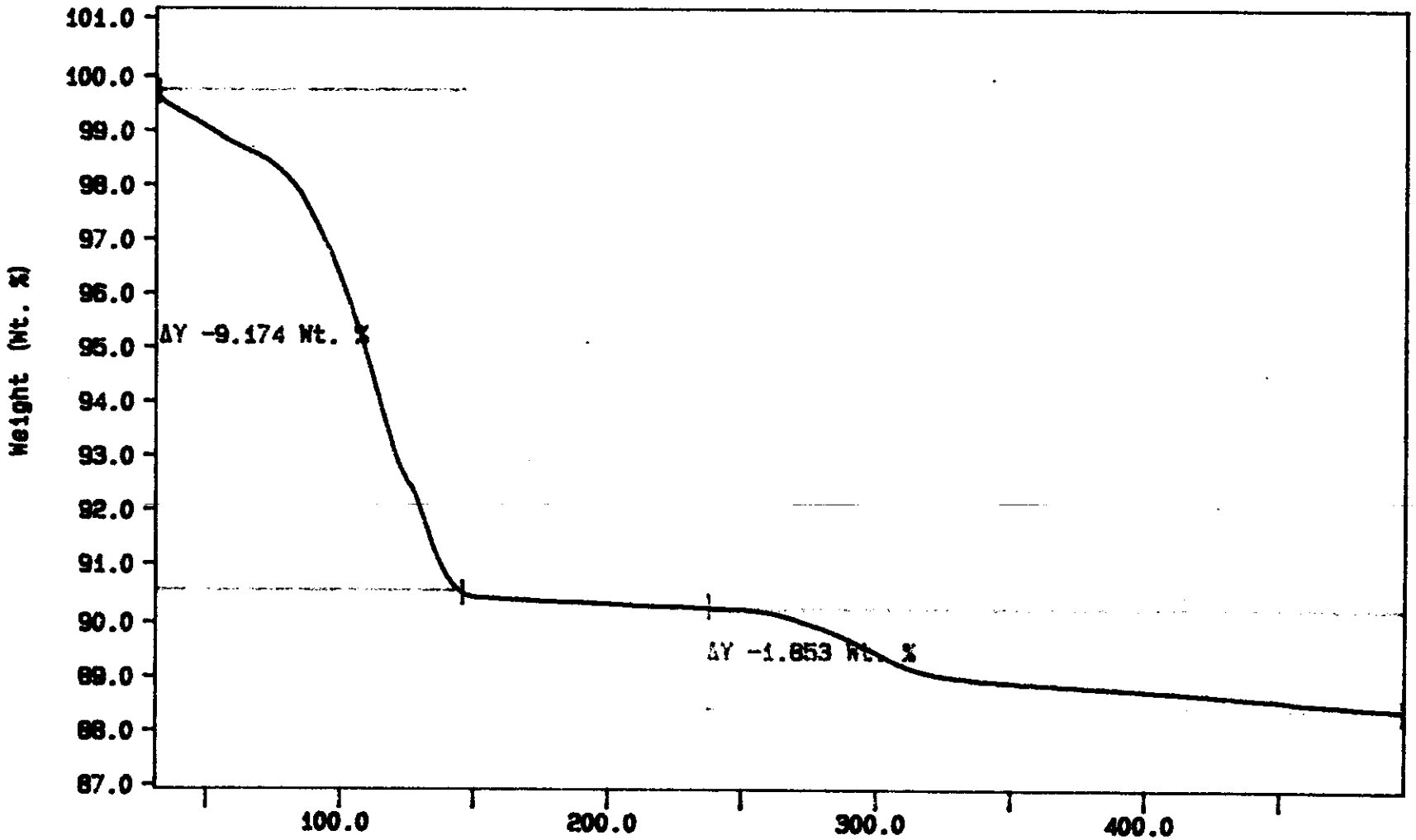


N2
TEMP: 35.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 450.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 2 18:12:06 1995

Curve 1: TGA
File info: SAM100203 Mon Oct 2 19:39:07 1995
Sample Weight: 10.757 mg
S95T001834 DUP

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 2 19:39:55 1995

LABCORE Data Entry Template for Worklist# 2185

Analyst: RBM **Instrument:** TGA0 1 **Book #** 65NB-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	58.45	N/A	%
95000095	BY-110	2 SAMPLE	S95T001752	0		TGA-01	SOLID	N/A	14.49		%
95000095	BY-110	3 DUP	S95T001752	0		TGA-01	SOLID	14.49	14.36	N/A	%
95000110	BY-110	4 SAMPLE	S95T001730	0		TGA-01	SOLID	N/A	13.40		%
95000110	BY-110	5 DUP	S95T001730	0		TGA-01	SOLID	13.40	13.60	N/A	%

Final page for worklist # 2185

RBMoyer 10/8/95
Analyst Signature **Date**

DA Dunn 10/9/95
Analyst Signature **Date**

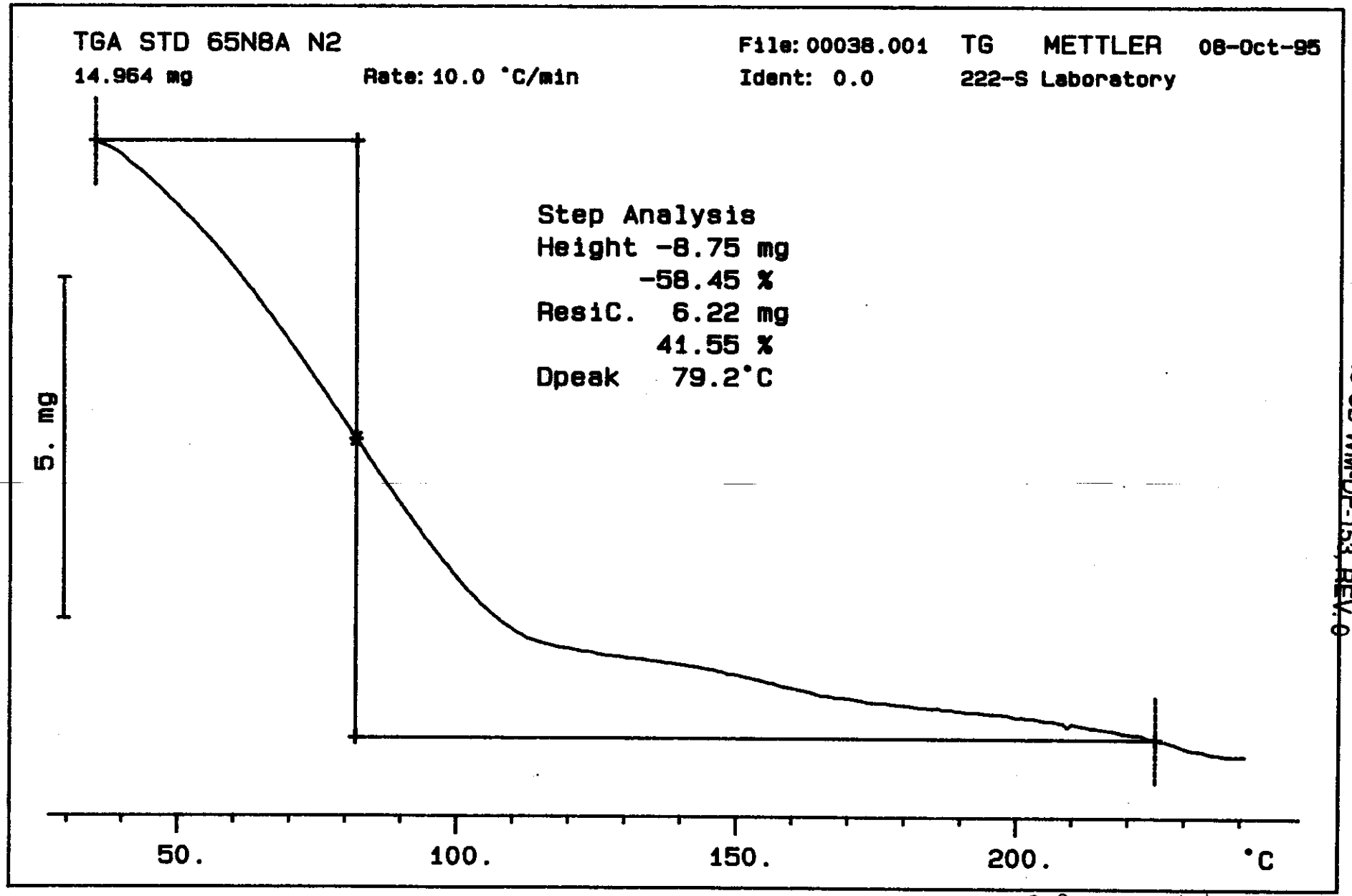
S95T001752 & S95T001730 exceeded action limits.
Verified by Blandina Valenzuela
10-10-95

Data Entry Comments: S95T001752 produced a second weight loss step of 5.29% at approximately 220°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 589 TO 594.

BEST AVAILABLE COPY



589

WHC-SD-WM-DP-153, REV. 0

10/8/95

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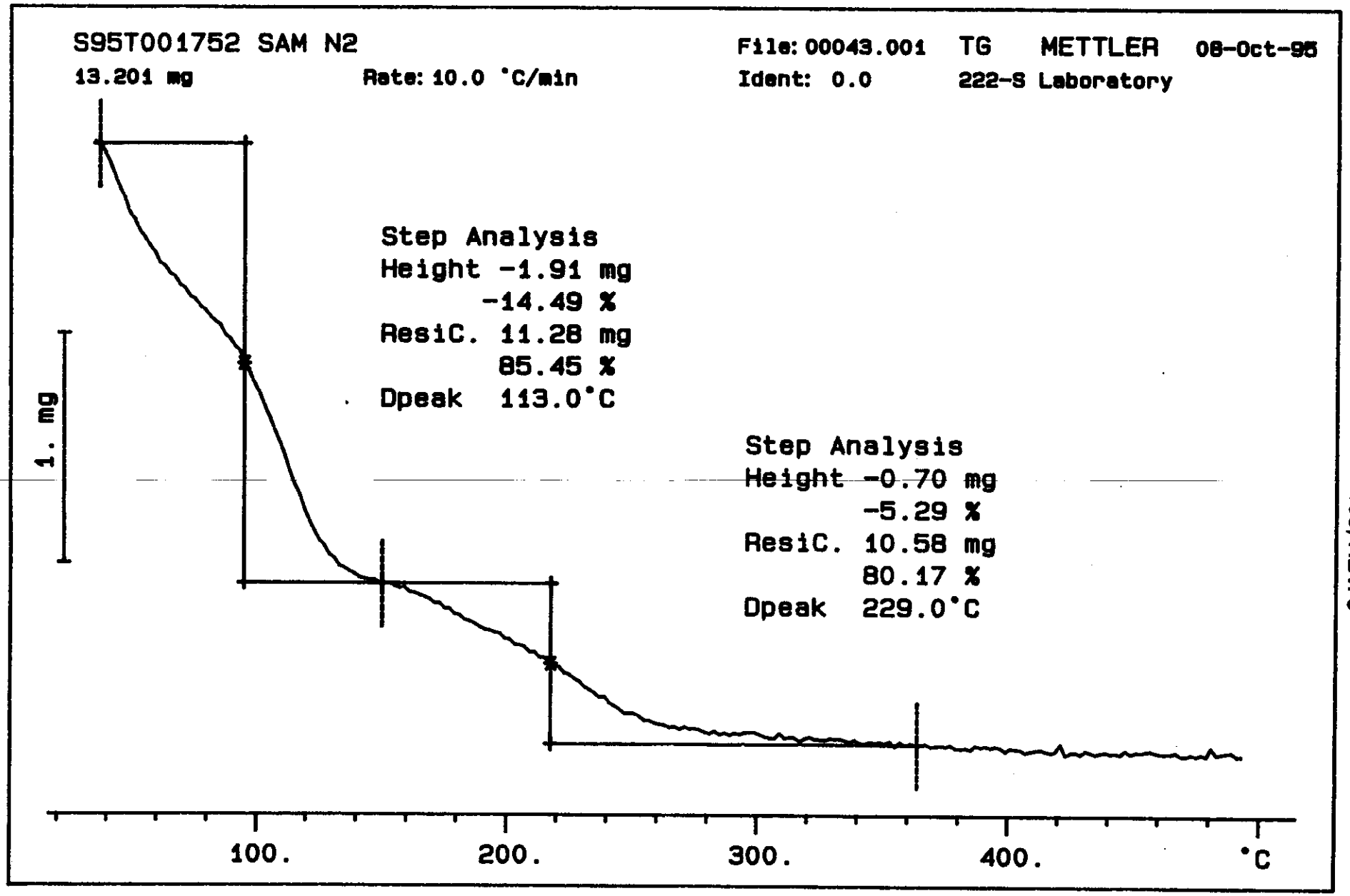

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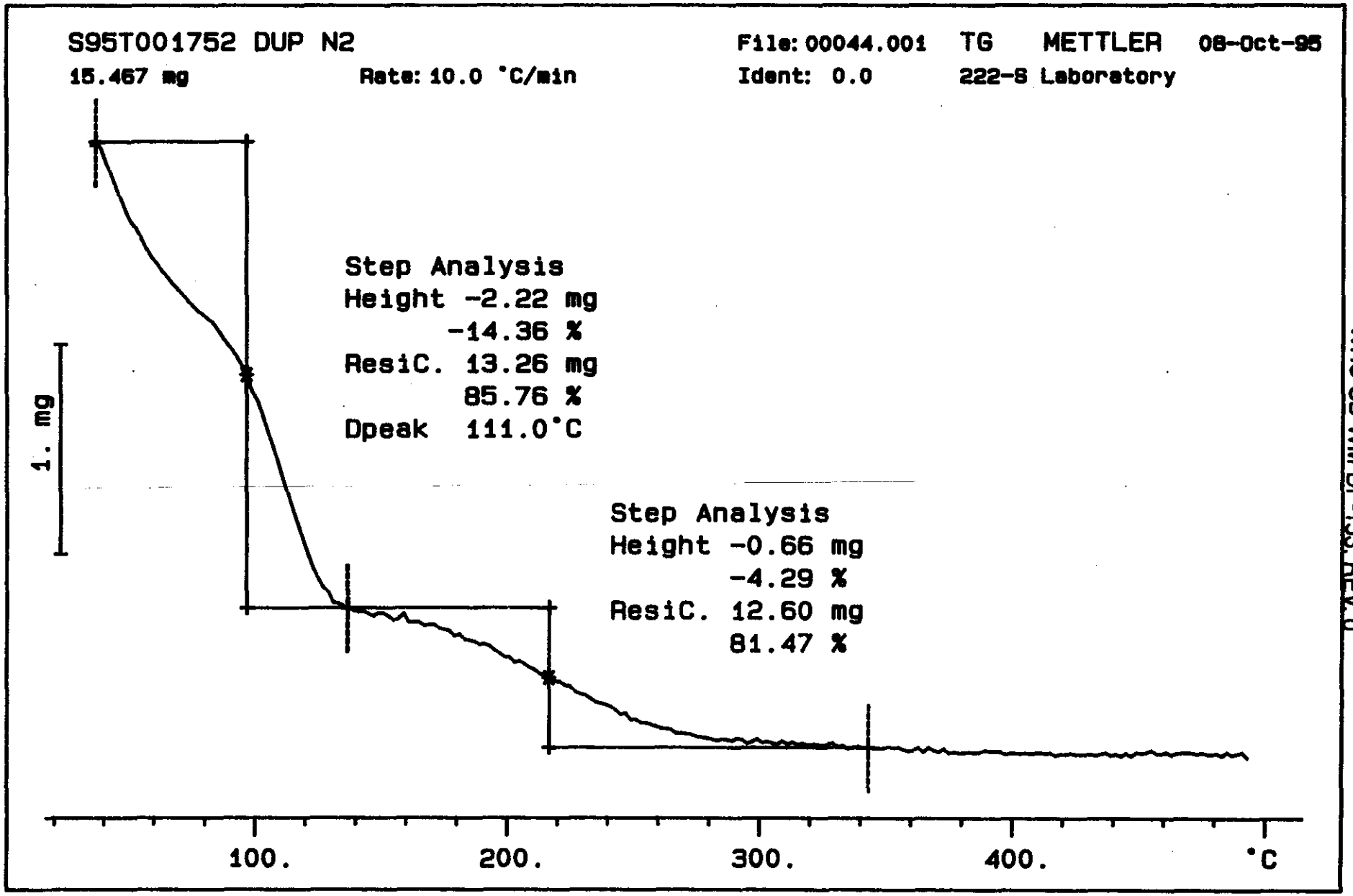
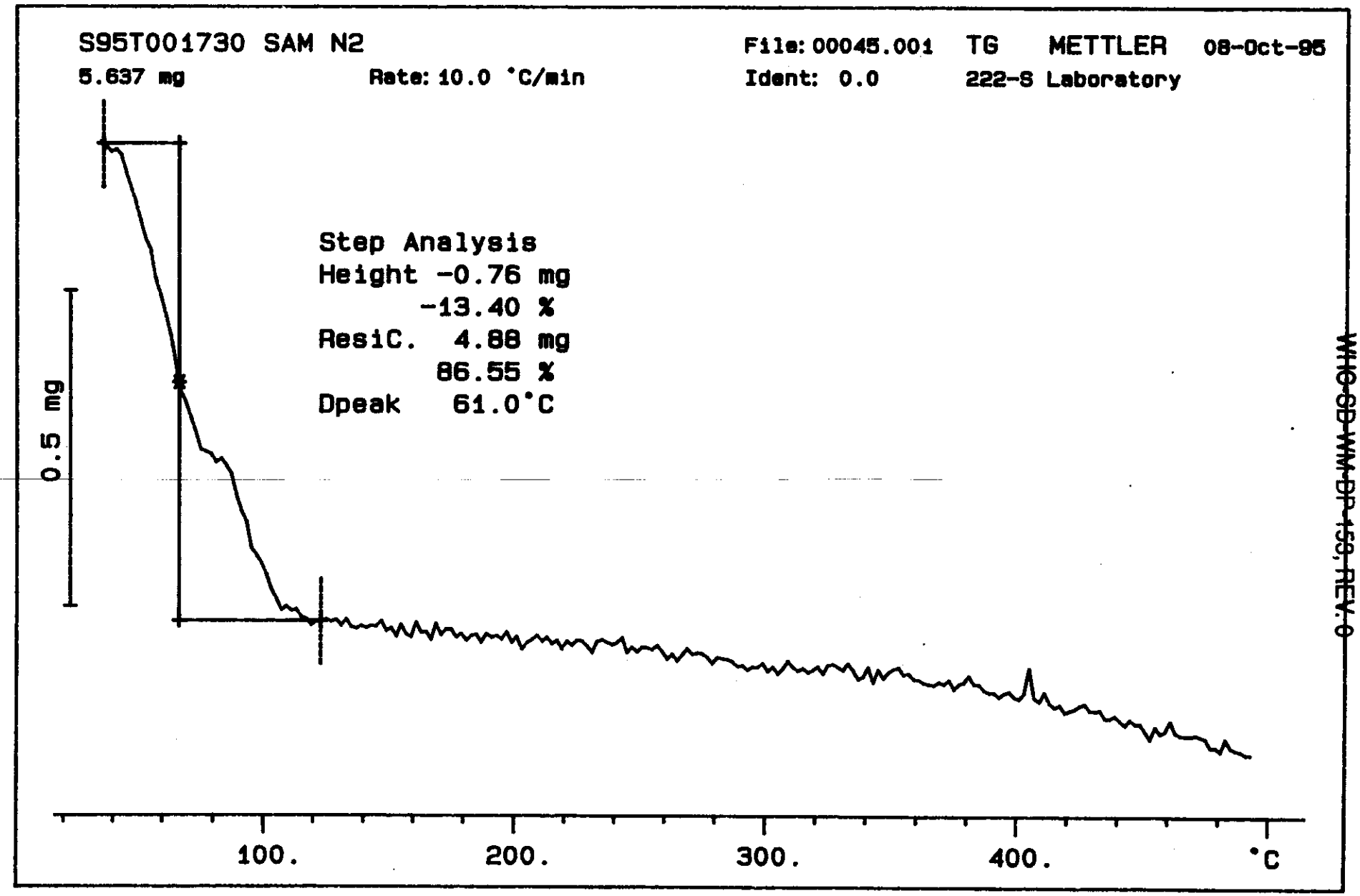
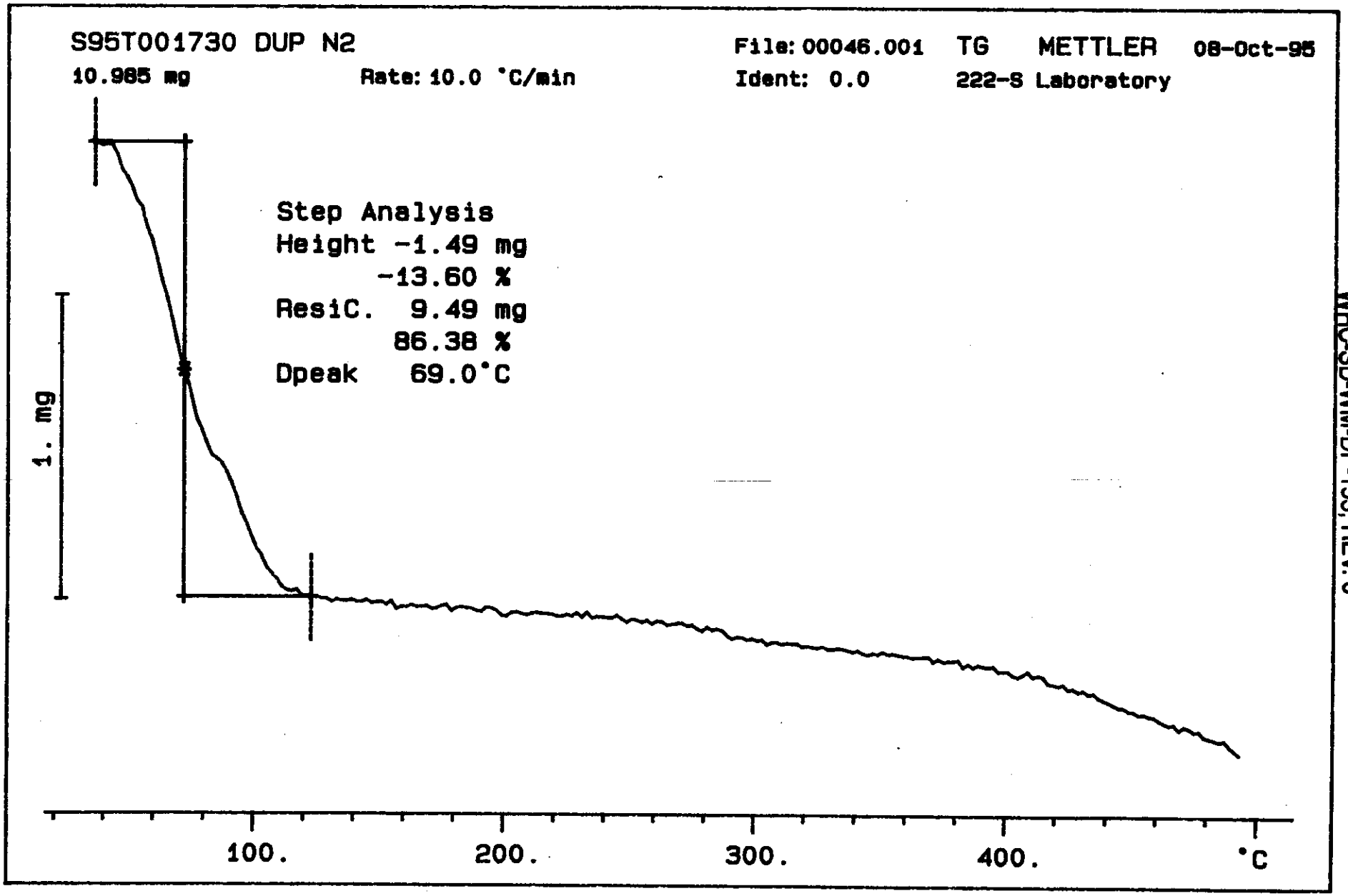


BEST AVAILABLE COPY



WHC-SD-WM-DP-159, REV.0

BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2186

Analyst: RDM **Instrument:** TGA0 1 **Book #** 65N8-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	59.87	N/A	%
95000110	BY-110	2	SAMPLE	S95T001737	0		TGA-01	SOLID	N/A	11.55		%
95000110	BY-110	3	DUP	S95T001737	0		TGA-01	SOLID	11.55	13.05	N/A	%
		4	STD				TGA-01	SOLID	59.74	60.07	N/A	%
95000110	BY-110	5	SAMPLE	S95T001751	0		TGA-01	SOLID	N/A	37.69		%
95000110	BY-110	6	DUP	S95T001751	0		TGA-01	SOLID	37.69	32.05	N/A	%

Final page for worklist # 2186

See attached for signatures
Analyst Signature **Date** 10-10-95

Verified by Blandina Valenzuela
10-11-95

Analyst Signature **Date** 10-11-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2186

Analyst: RPM **Instrument:** TGA0 1 **Book #** 65NB-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	59.87	N/A	%
95000110	BY-110	2 SAMPLE	S95T001737	0		TGA-01	SOLID	N/A			%
95000110	BY-110	3 DUP	S95T001737	0		TGA-01	SOLID			N/A	%
95000110	BY-110	4 SAMPLE	S95T001751	0		TGA-01	SOLID	N/A			%
95000110	BY-110	5 DUP	S95T001751	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2186

RPMyers 10/6/95
Analyst Signature **Date**

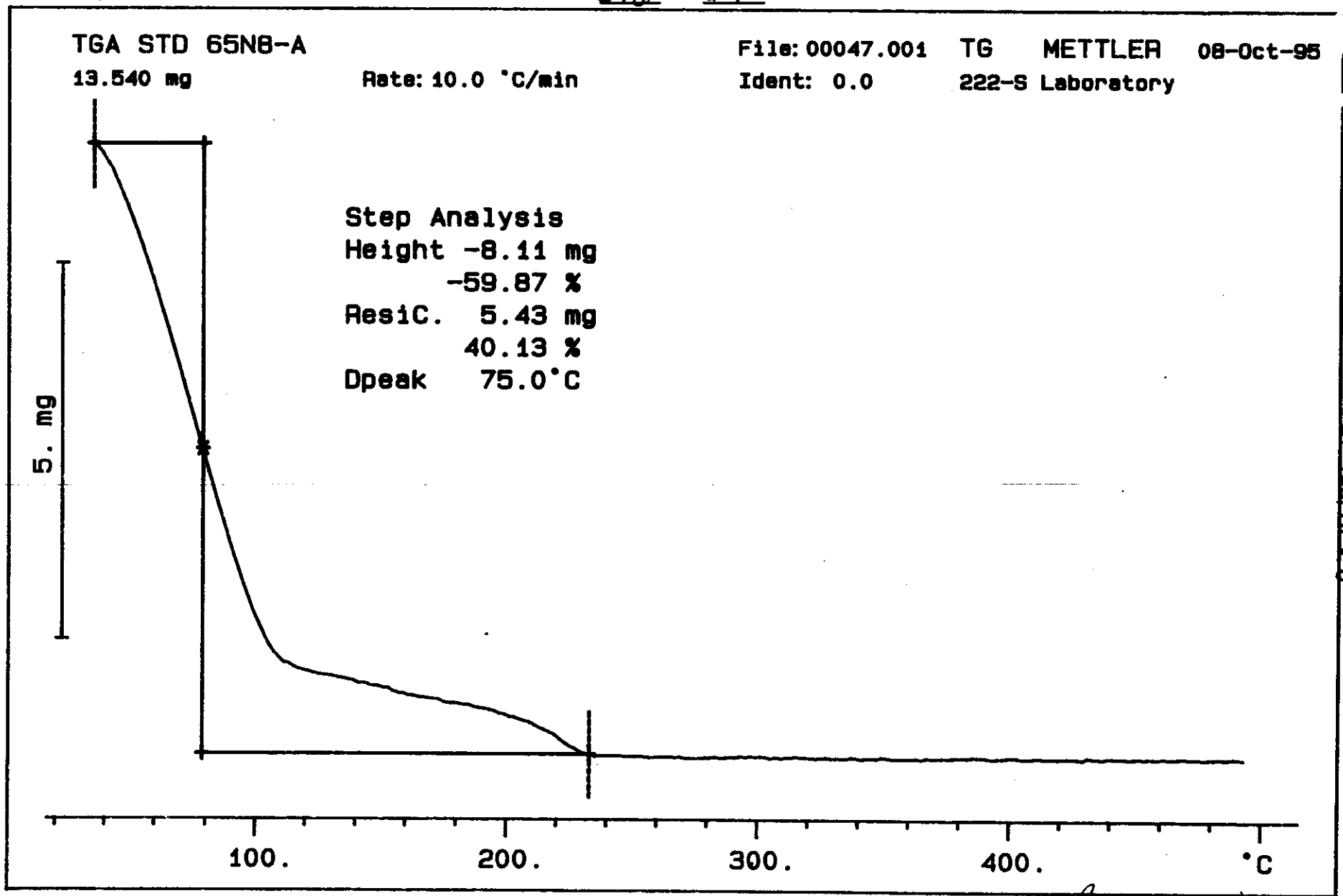
Anthony Pirrotto 10-10-95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 596 TO 601.

BEST AVAILABLE COPY



10/18/95

596

WHC-SD-WM-DP-153, REV. 0

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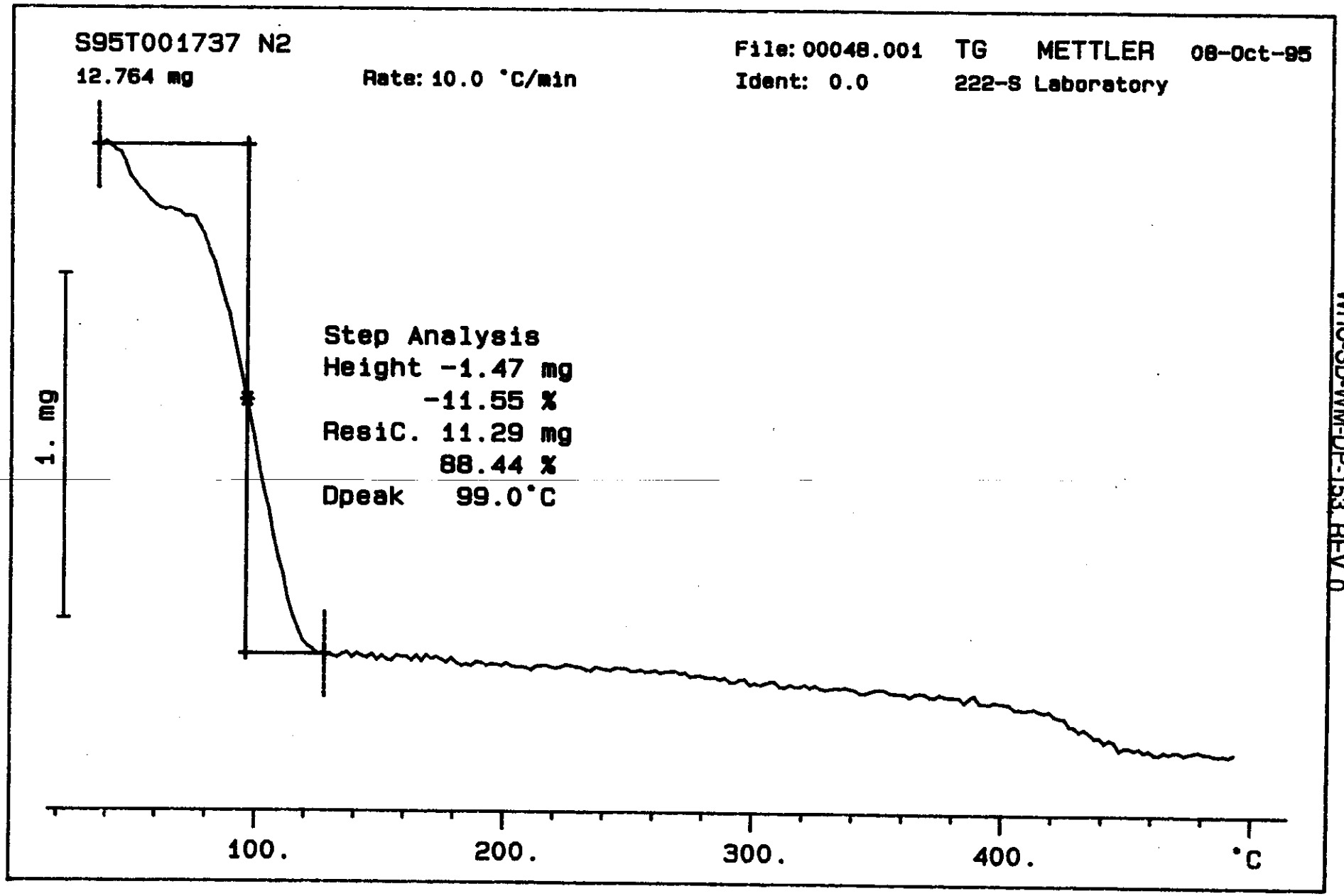
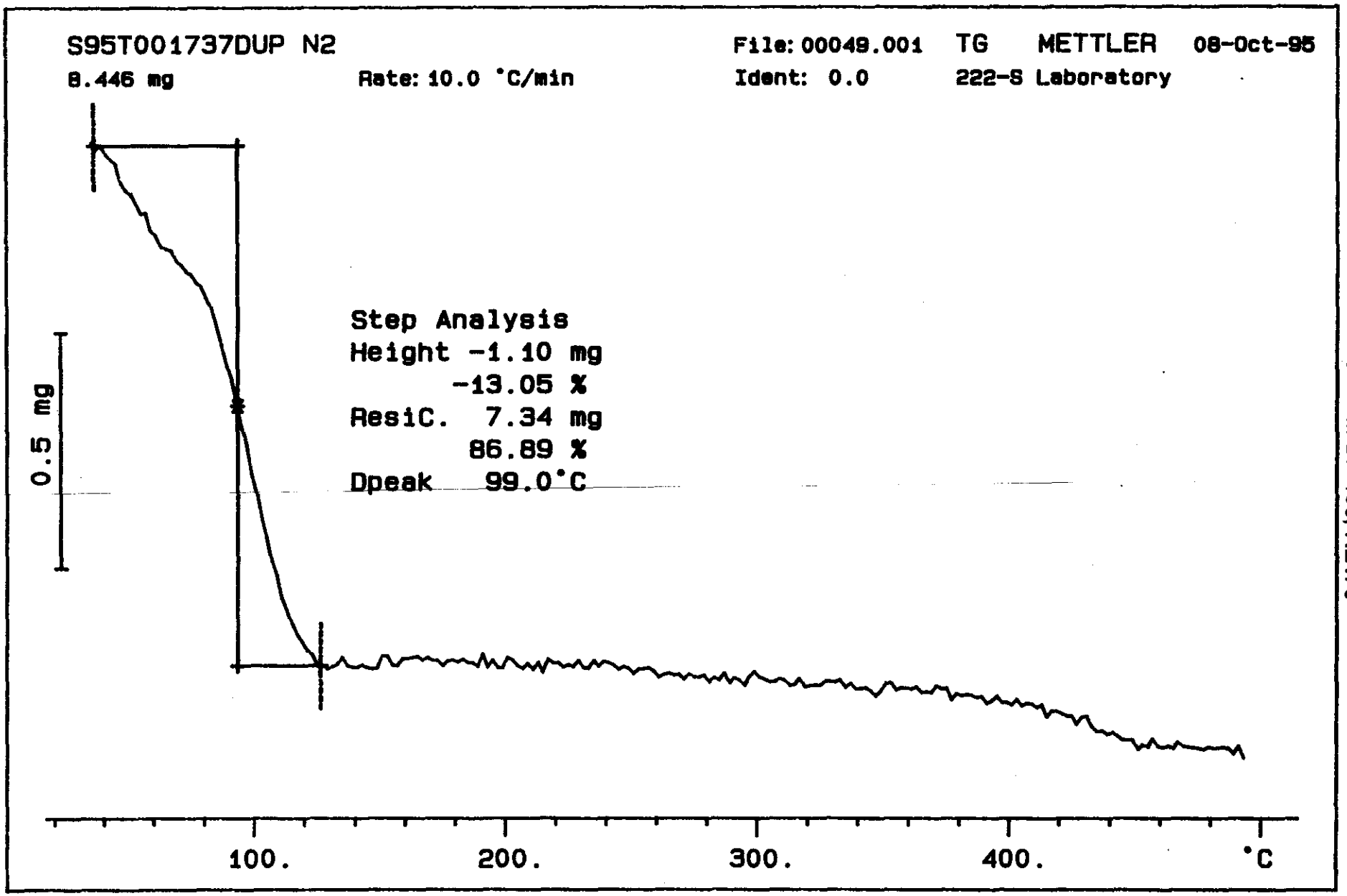
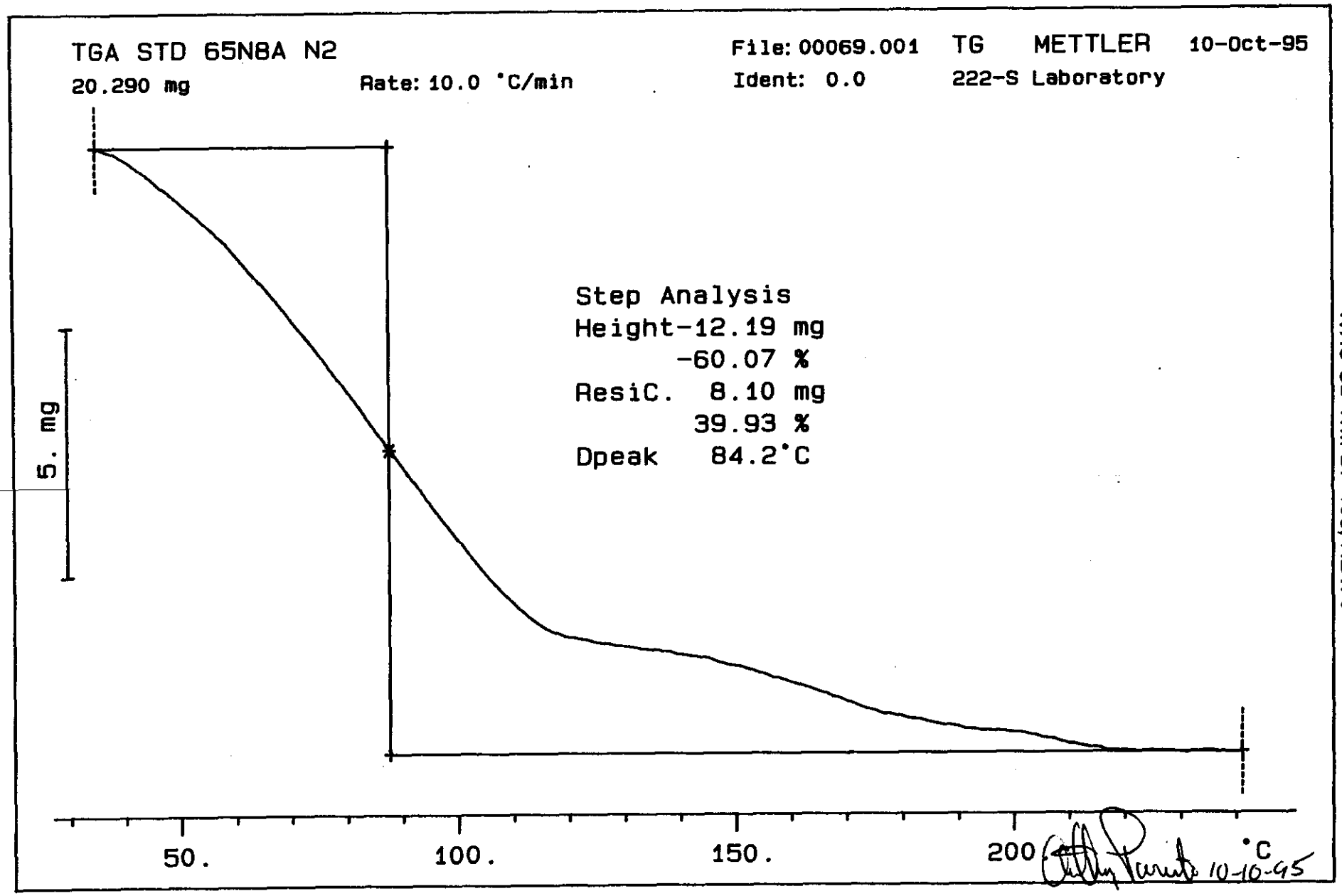


BEST AVAILABLE COPY

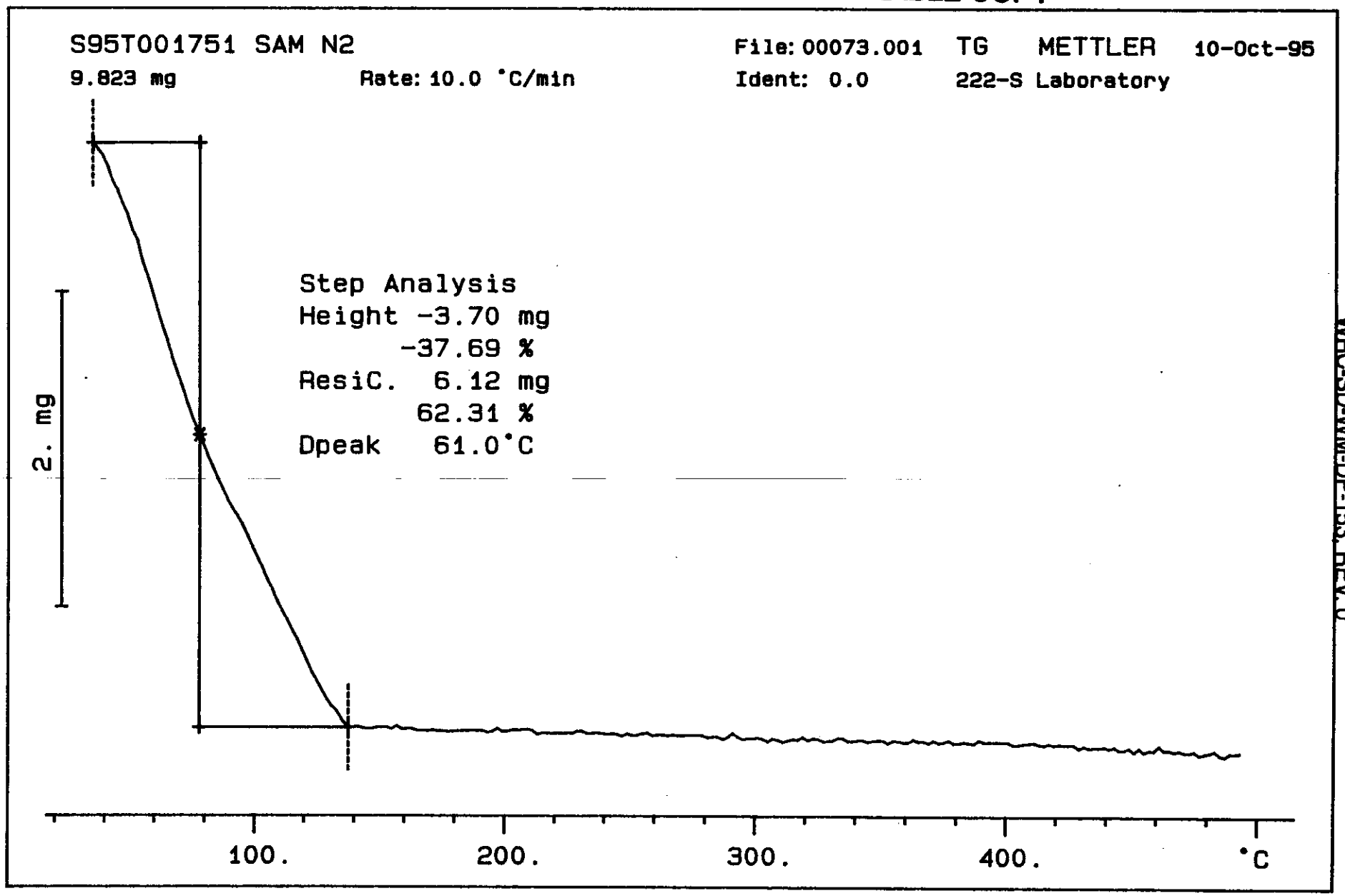


BEST AVAILABLE COPY

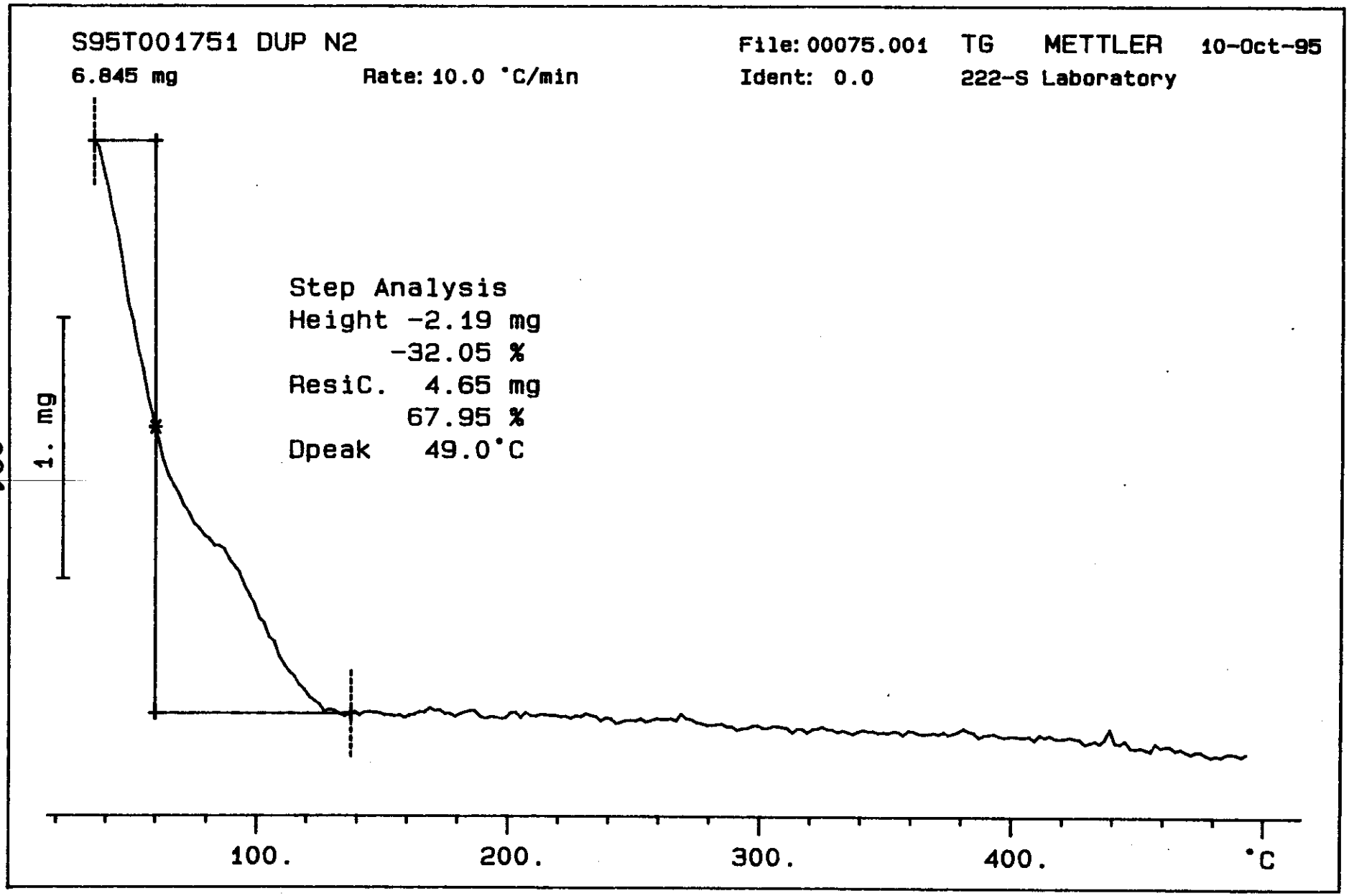


Cathy Perrot 10-10-95

BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2187

Analyst: RJ McCown **Instrument:** TGA0 1 **Book #** 65U8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.86	N/A	%
95000110	BY-110	2	SAMPLE	S95T001755	0		TGA-01	SOLID	N/A	17.05		%
95000110	BY-110	3	DUP	S95T001755	0		TGA-01	SOLID	17.05	17.38	N/A	%
95000110	BY-110	4	SAMPLE	S95T001772	0		TGA-01	SOLID	N/A	21.23		%
95000110	BY-110	5	DUP	S95T001772	0		TGA-01	SOLID	21.23	20.39	N/A	%

Final page for worklist # 2187

RJ McCown 9/12/95
Analyst Signature **Date**

Verified 9/13/95 JM Fuge

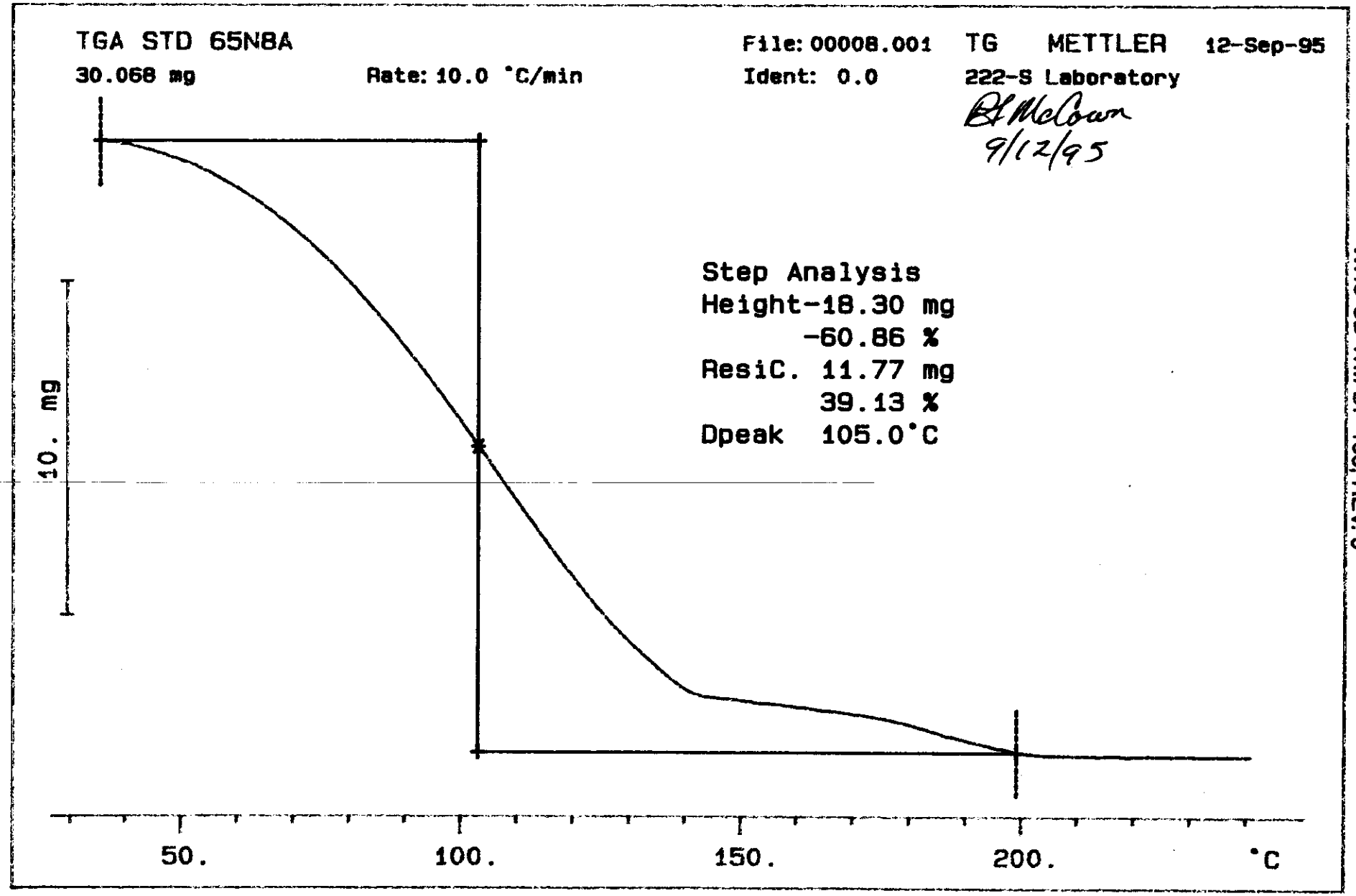
[illegible] 9-13-95
Analyst Signature **Date**

S95T001755 produced a second weight loss step of 1.14% at approximately 410°C. [illegible] 9-12-95 BDV

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BEST AVAILABLE COPY



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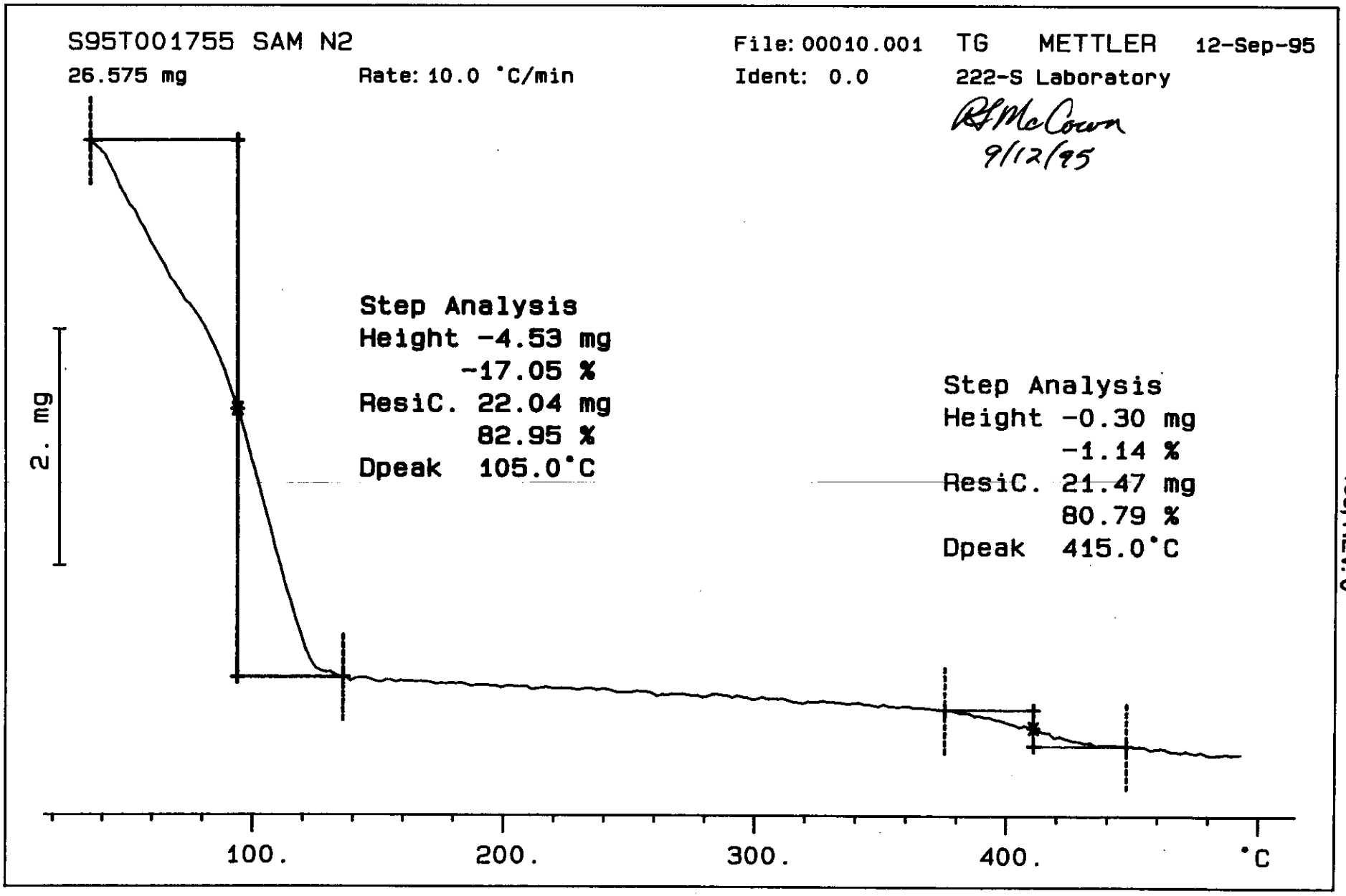


WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY

S95T001755 DUP N2

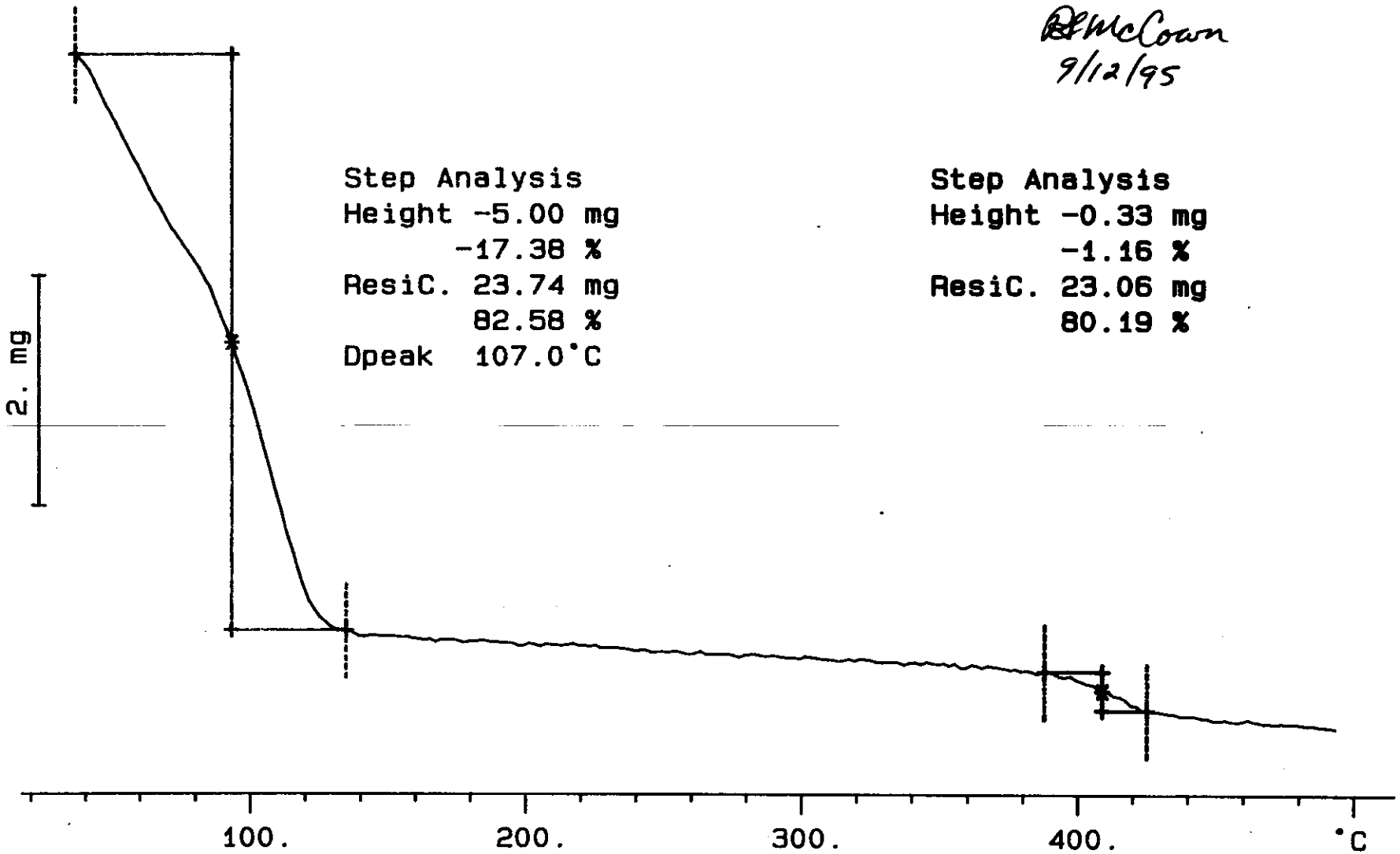
28.753 mg

Rate: 10.0 °C/min

File: 00012.001 TG METTLER 12-Sep-95

Ident: 0.0 222-S Laboratory

RF McCown
9/12/95



BEST AVAILABLE COPY

S95T001772 SAM N2

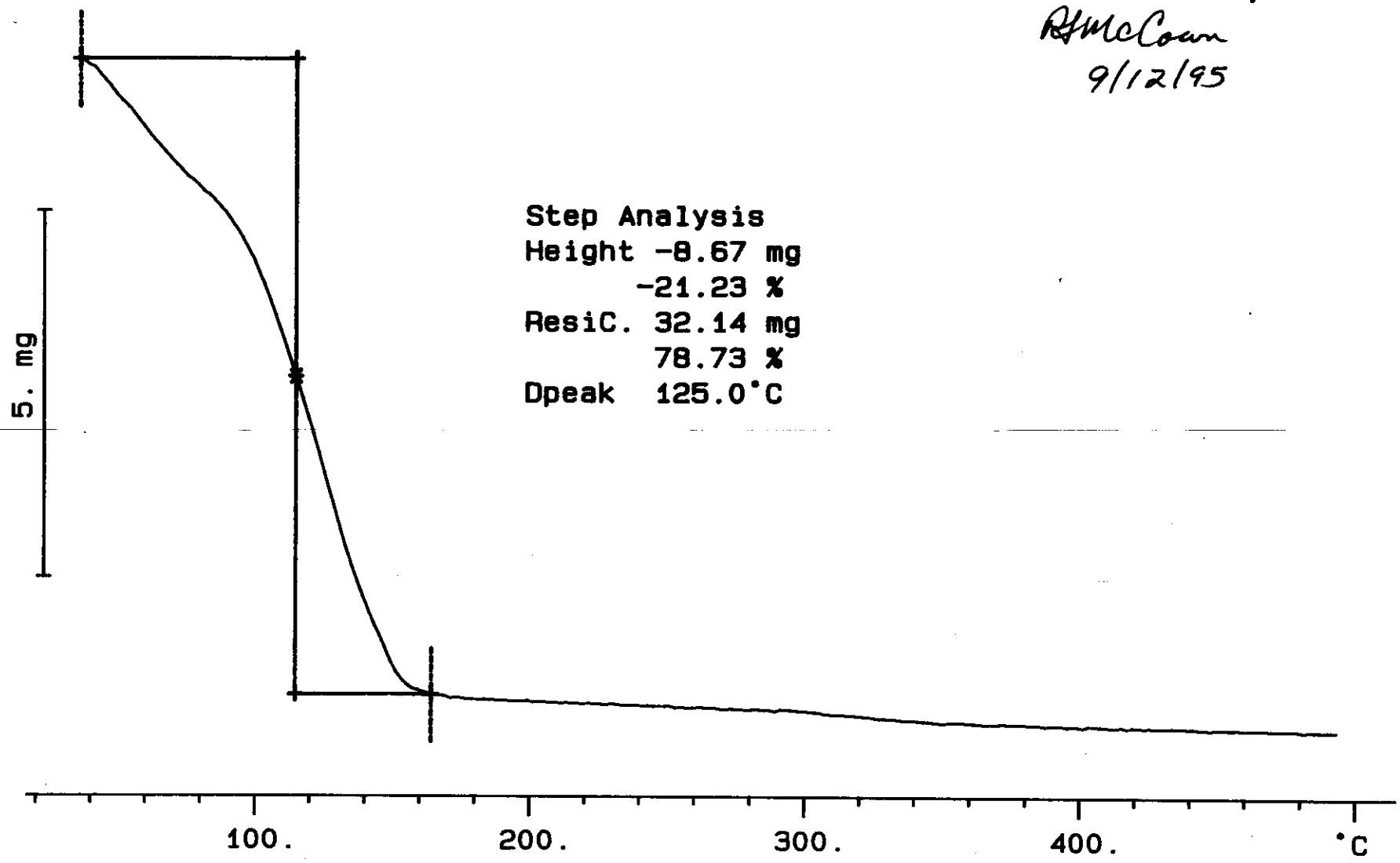
40.825 mg

Rate: 10.0 °C/min

File: 00014.001 TG METTLER 12-Sep-95

Ident: 0.0 222-S Laboratory

RJ McCown
9/12/95



Step Analysis
Height -8.67 mg
-21.23 %
ResiC. 32.14 mg
78.73 %
Dpeak 125.0°C

WHC-SD-WM-DP-159, REV.0

006

BEST AVAILABLE COPY

S95T001772 DUP N2

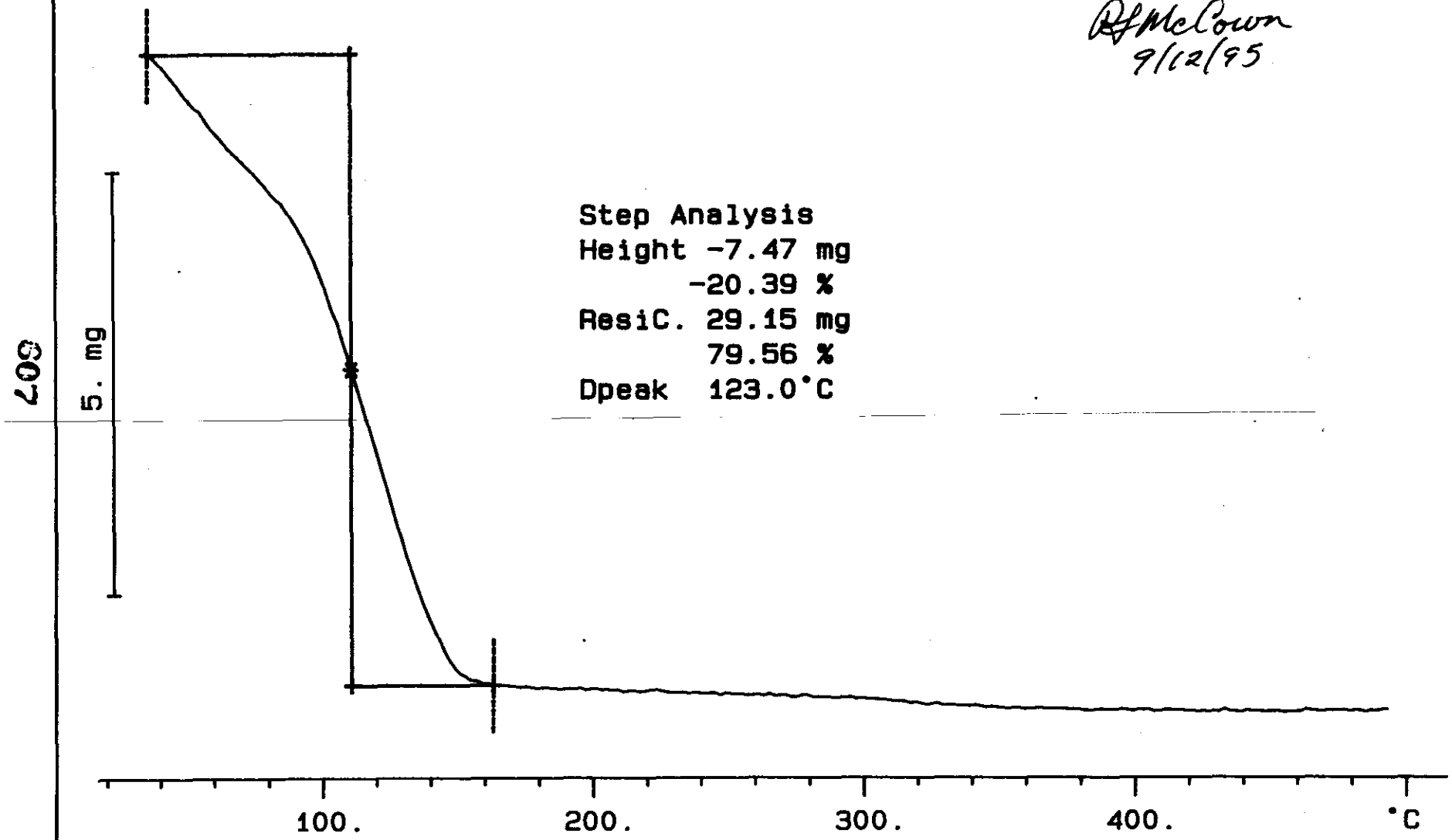
36.635 mg

Rate: 10.0 °C/min

File: 00016.001 TG METTLER 12-Sep-95

Ident: 0.0 222-S Laboratory

RJ McCown
9/12/95



Step Analysis
Height -7.47 mg
-20.39 %
ResiC. 29.15 mg
79.56 %
Dpeak 123.0°C

607

LABCORE Data Entry Template for Worklist# 2196

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.50	N/A	%
95000095	BY-110	2	SAMPLE	S95T001794	0		TGA-03	SOLID	N/A	6.02		%
95000095	BY-110	3	DUP	S95T001794	0		TGA-03	SOLID	6.02	6.78	N/A	%
		4	STD				TGA-03	SOLID	59.74	60.70	N/A	%
95000095	BY-110	5	SAMPLE	S95T001795	0		TGA-03	SOLID	N/A	18.45		%
95000095	BY-110	6	DUP	S95T001795	0		TGA-03	SOLID	18.45	21.16	N/A	%

Final page for worklist # 2196

See attached for signatures
Analyst Signature **Date** 9-28-95

[illegible] 10-5-95
Analyst Signature **Date**

Verified by Blandina Valenzuela

S95T001794 produced a second weight loss step of ~~6~~ 9.18 wt % at approximately 195°C

Data Entry Comments: Sample S95T001795 produced two additional weight loss steps of 3.44% and 3.91%.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

worklistrpt Version 2.1 05/15/95
08/29/95 14:59

LABCORE Data Entry Template for Worklist# 2196

Analyst: Jds **Instrument:** TGA0 _____ **Book #** 65N8A

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000095	BY-110	2	SAMPLE	S95T001794	0		TGA-01	SOLID	N/A			%
95000095	BY-110	3	DUP	S95T001794	0		TGA-01	SOLID			N/A	%
95000095	BY-110	4	SAMPLE	S95T001795	0		TGA-01	SOLID	N/A			%
95000095	BY-110	5	DUP	S95T001795	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2196

9-28-95

Analyst Signature **Date**

Analyst Signature **Date**

Other instrument was used
10-5-95
BDV

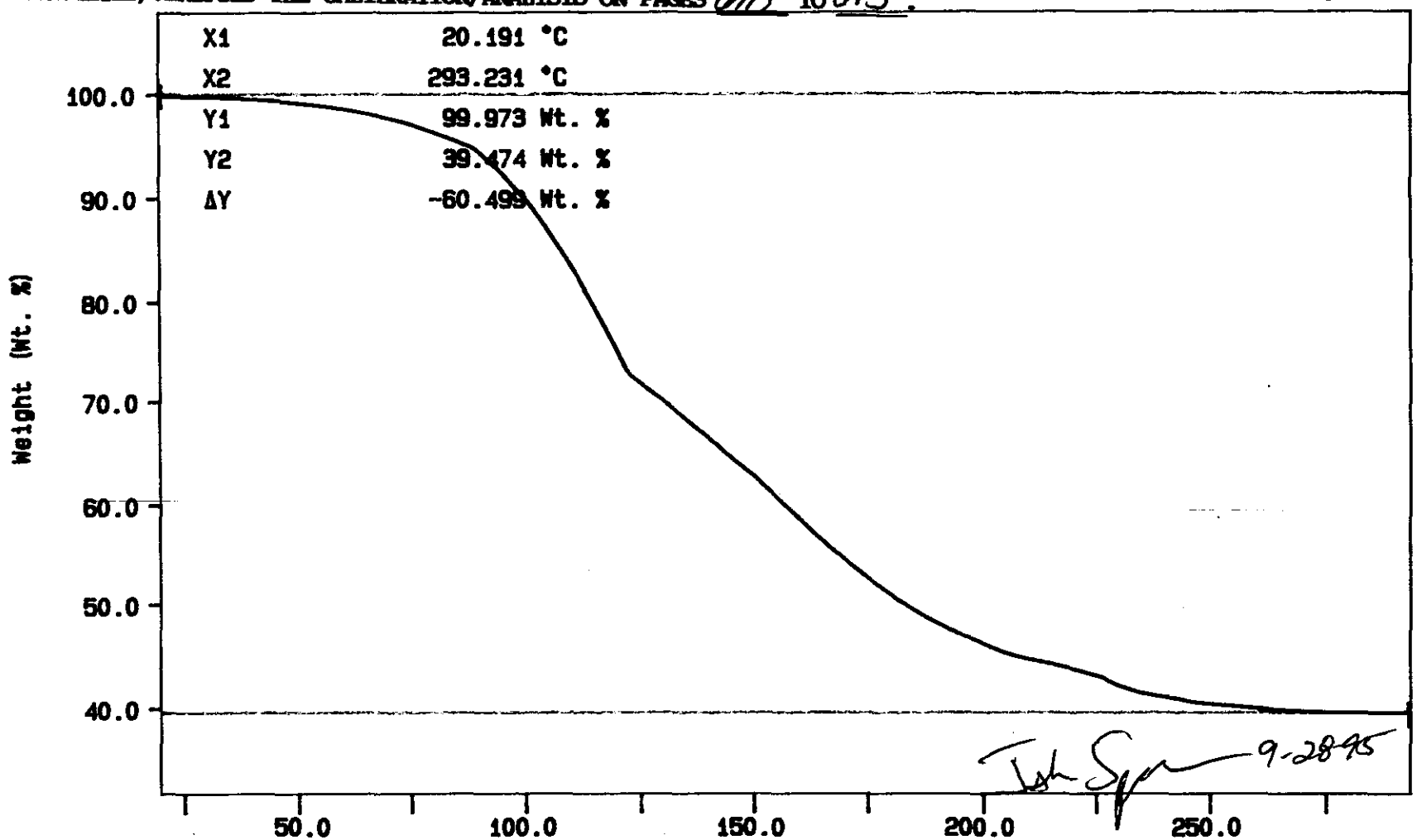
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: qsav1 Wed Sep 27 09:21:55 1995
Sample Weight: 25.741 mg
65N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 610 TO 615.

BEST AVAILABLE COPY



N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Sep 27 09:36:56 1995

Curve 1: TGA
File info: SAM092701 Wed Sep 27 10:35:16 1995
Sample Weight: 27.737 mg
S95T001794

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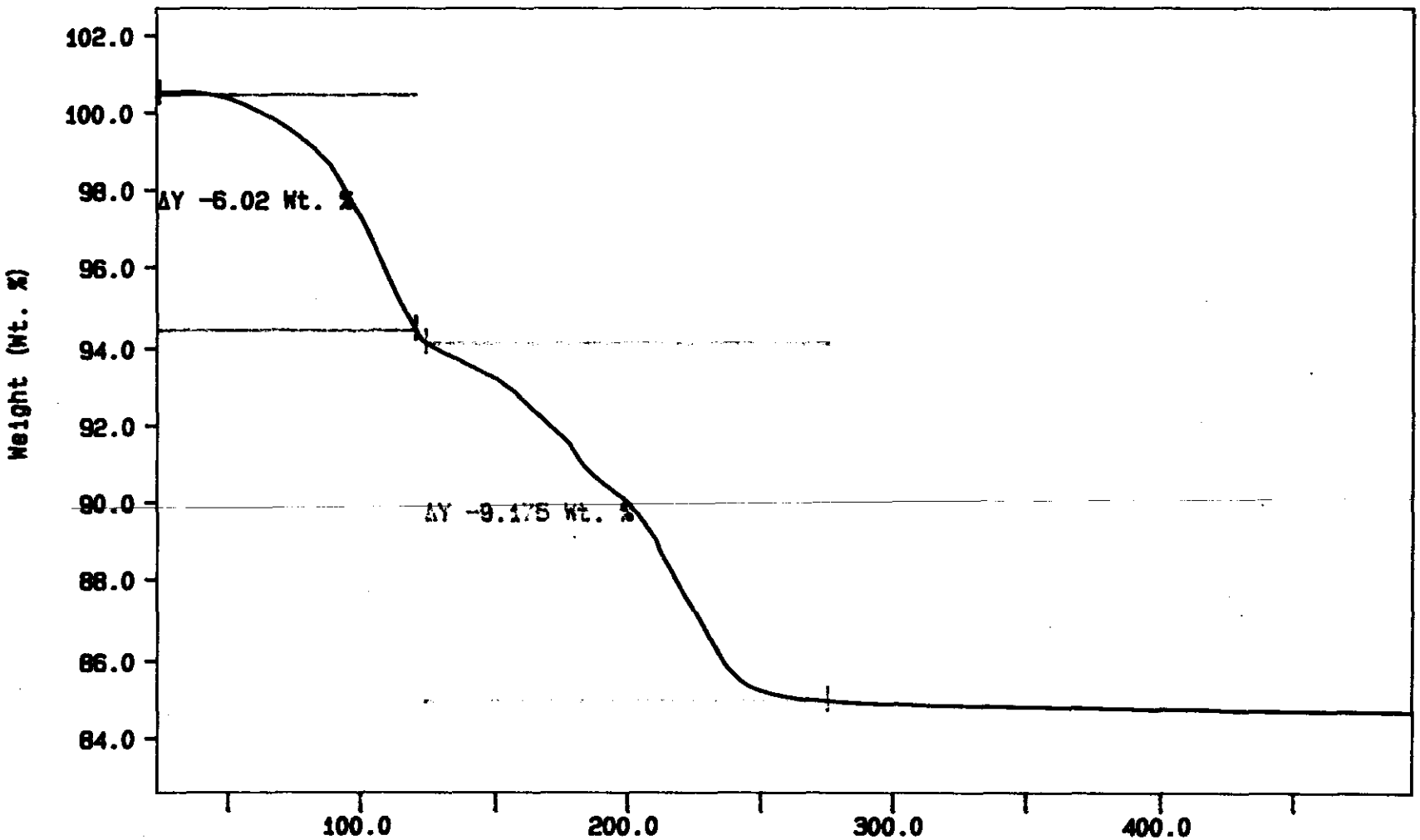
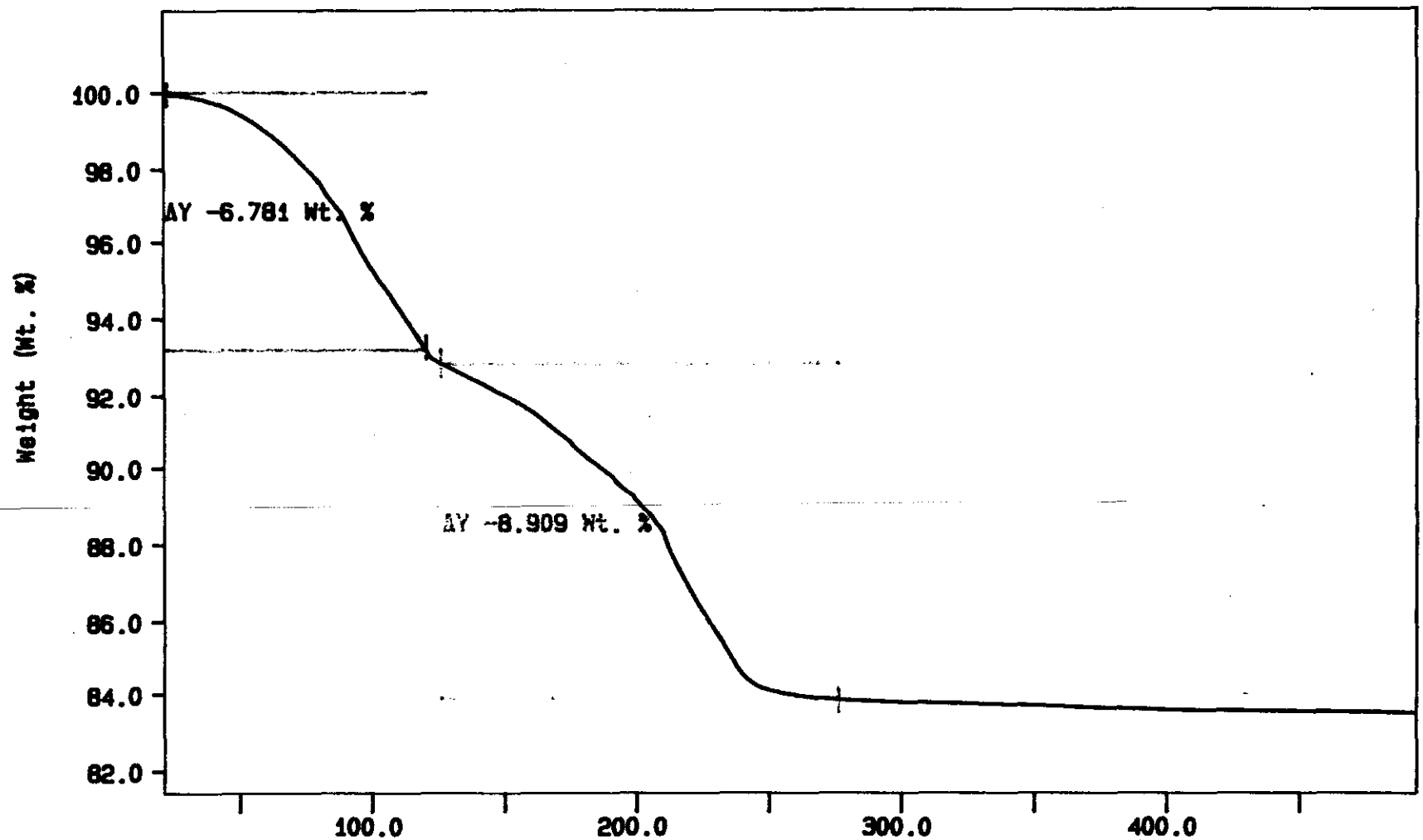


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Sep 27 10:45:32 1995

Curve 1: TGA
File info: SAM092702 Wed Sep 27 12:03:16 1995
Sample Weight: 32.152 mg
S95T001794 DUP

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

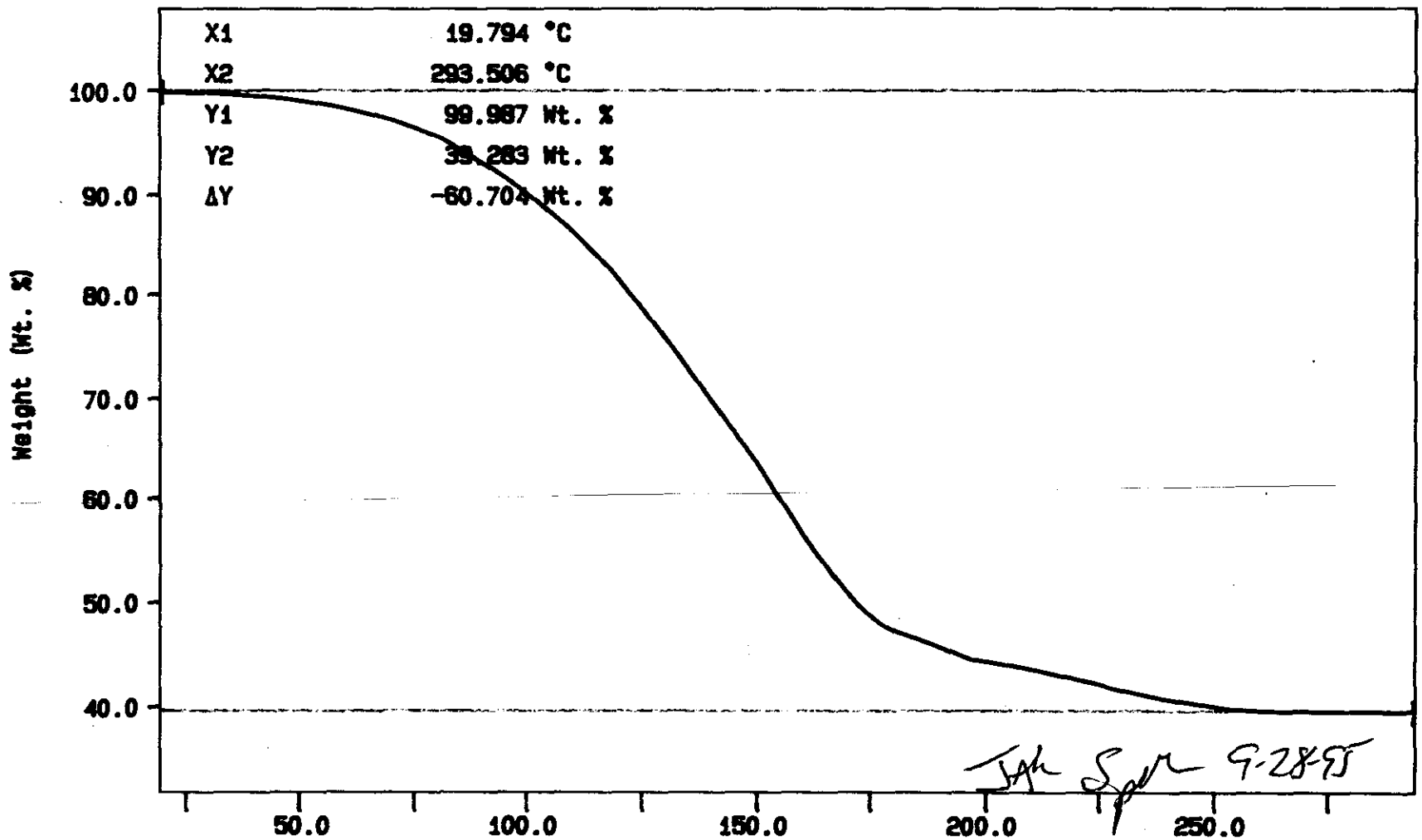
JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Sep 27 12:34:49 1995

612

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: TER092801 Thu Sep 28 08:59:04 1995
Sample Weight: 16.012 mg
65N8-A Terliq

BEST AVAILABLE COPY

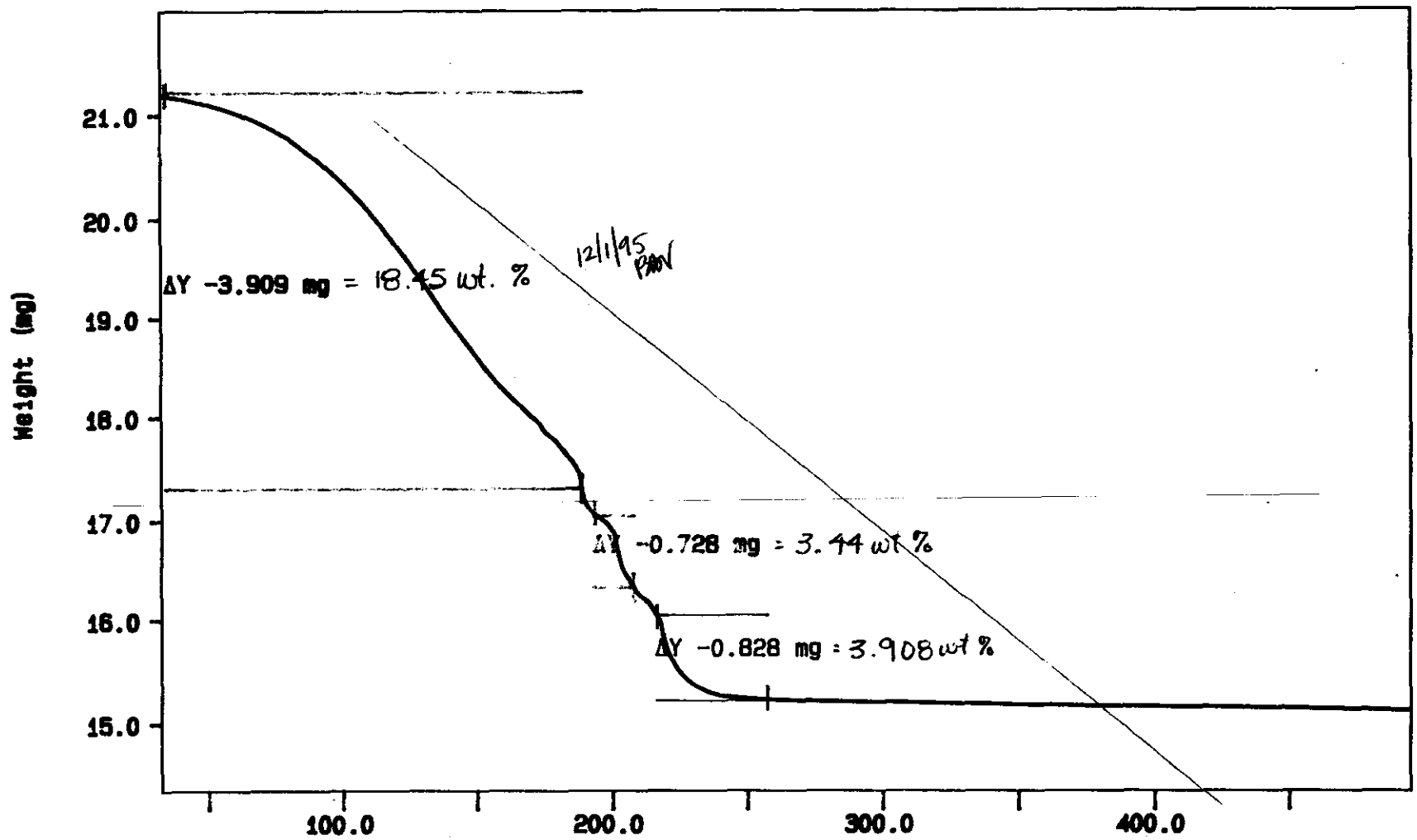


N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Sep 28 09:10:33 1995

Curve 1: TGA
File info: SAM092801 Thu Sep 28 10:03:09 1995
Sample Weight: 21.188 mg
S95T001795

BEST AVAILABLE COPY



N2
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 550.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Sep 28 10:41:52 1995

Curve 1: TGA
File info: SAM092802 Thu Sep 28 11:52:08 1995
Sample Weight: 10.626 mg
S95T001795 DUP

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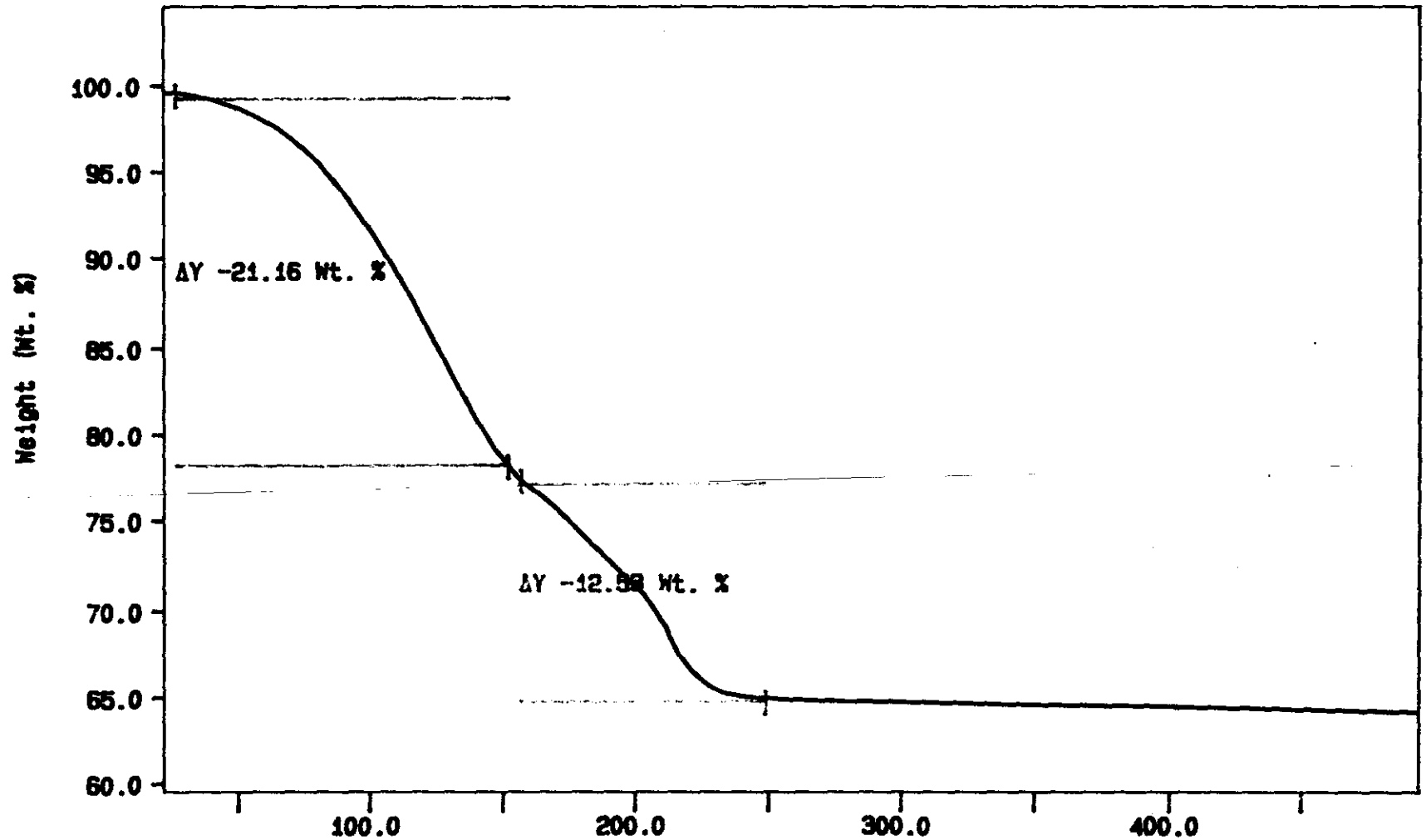

N2
TEMP: 35.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 650.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Sep 28 13:41:01 1995

615

WHC-SD-WM-DP-153, REV. 0

LABCORE Data Entry Template for Worklist# 2201

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGA under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	LIQUID	~~59.88~~ 59.74 BDV 10-9-95	57.88	N/A	%
95000095	BY-110	2 SAMPLE	S95T001789	0		TGA-01	LIQUID	N/A	36.88		%
95000095	BY-110	3 DUP	S95T001789	0		TGA-01	LIQUID	36.88	36.95	N/A	%
95000095	BY-110	4 SAMPLE	S95T001816	0		TGA-01	LIQUID	N/A	89.32		%
95000095	BY-110	5 DUP	S95T001816	0		TGA-01	LIQUID	89.32	89.22	N/A	%

Final page for worklist # 2201

Anthony Pucciarelli 10-09-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

[illegible] 10-10-95
Analyst Signature **Date**

Data Entry Comments: S95T001789 produced a second weight loss step at 200°C with a loss of 10.88%.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 617 TO 621.

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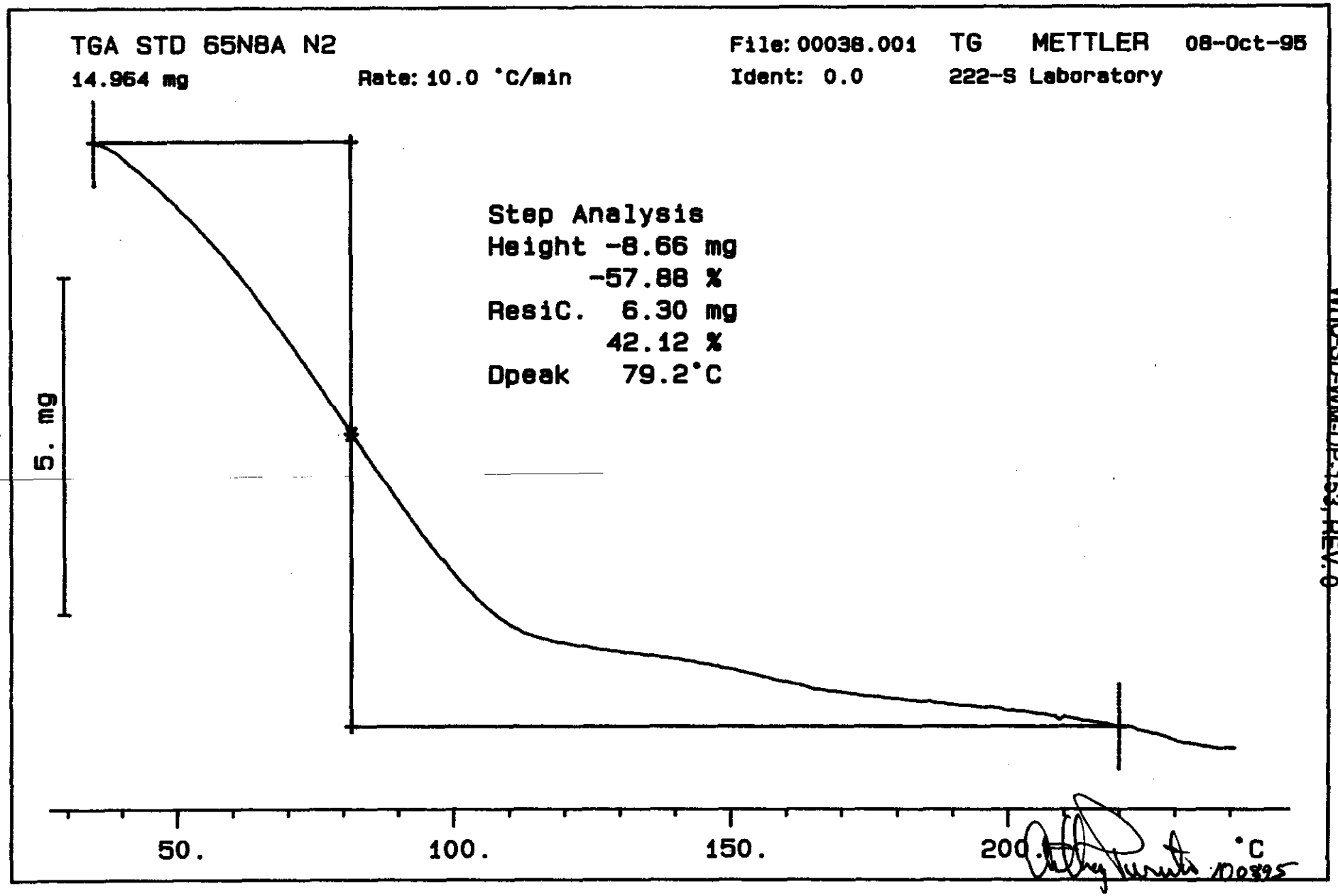

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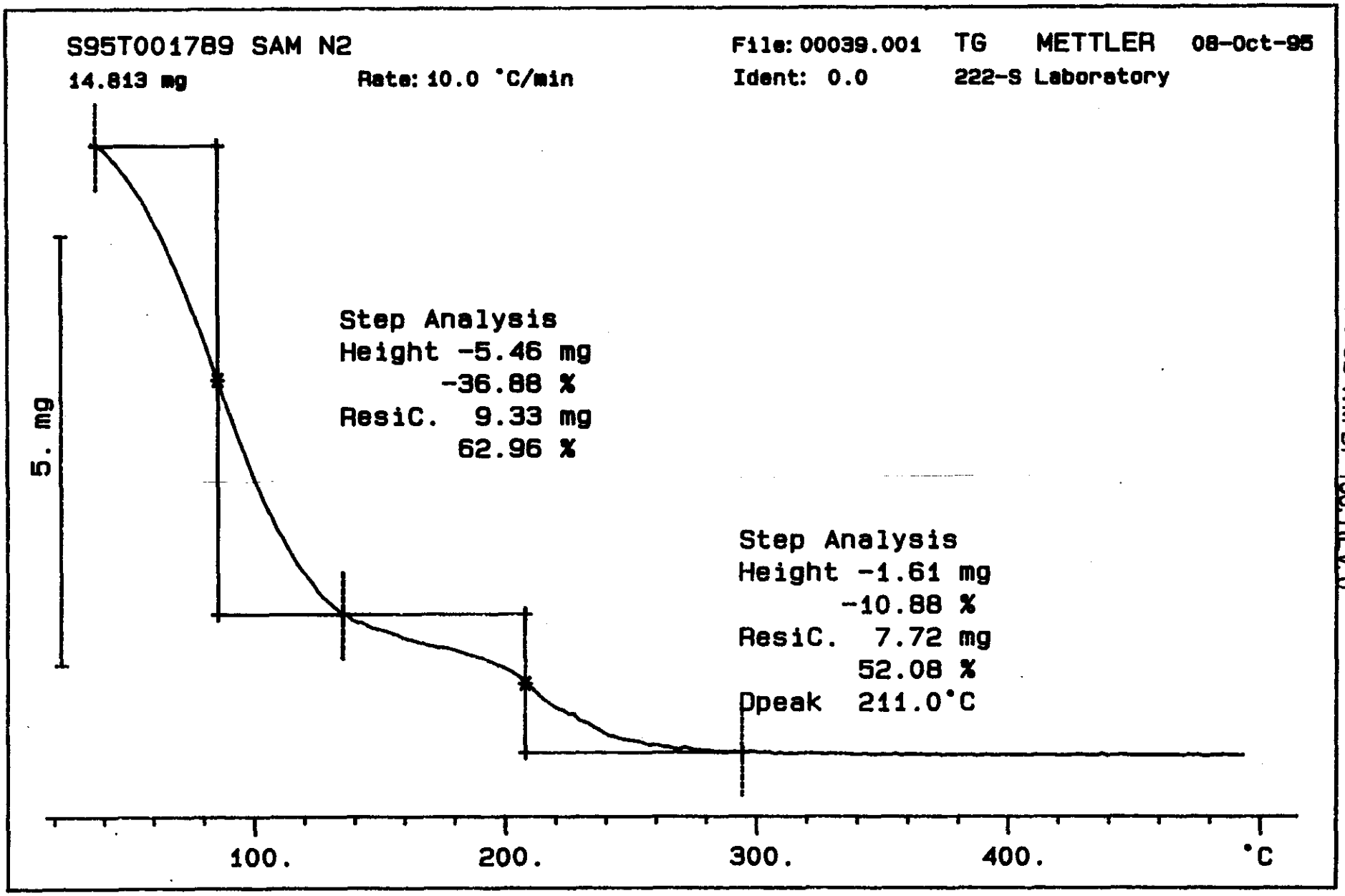

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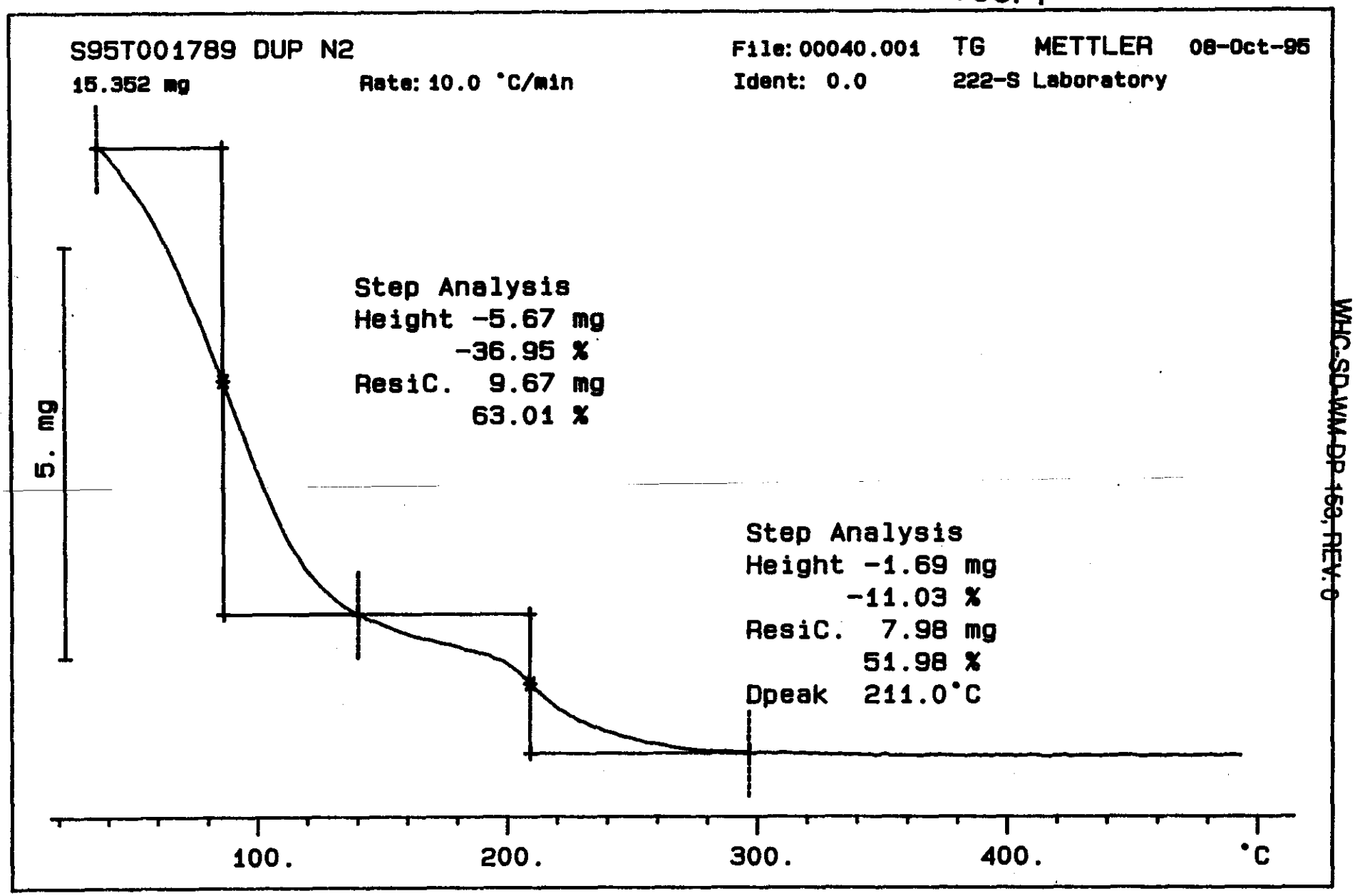

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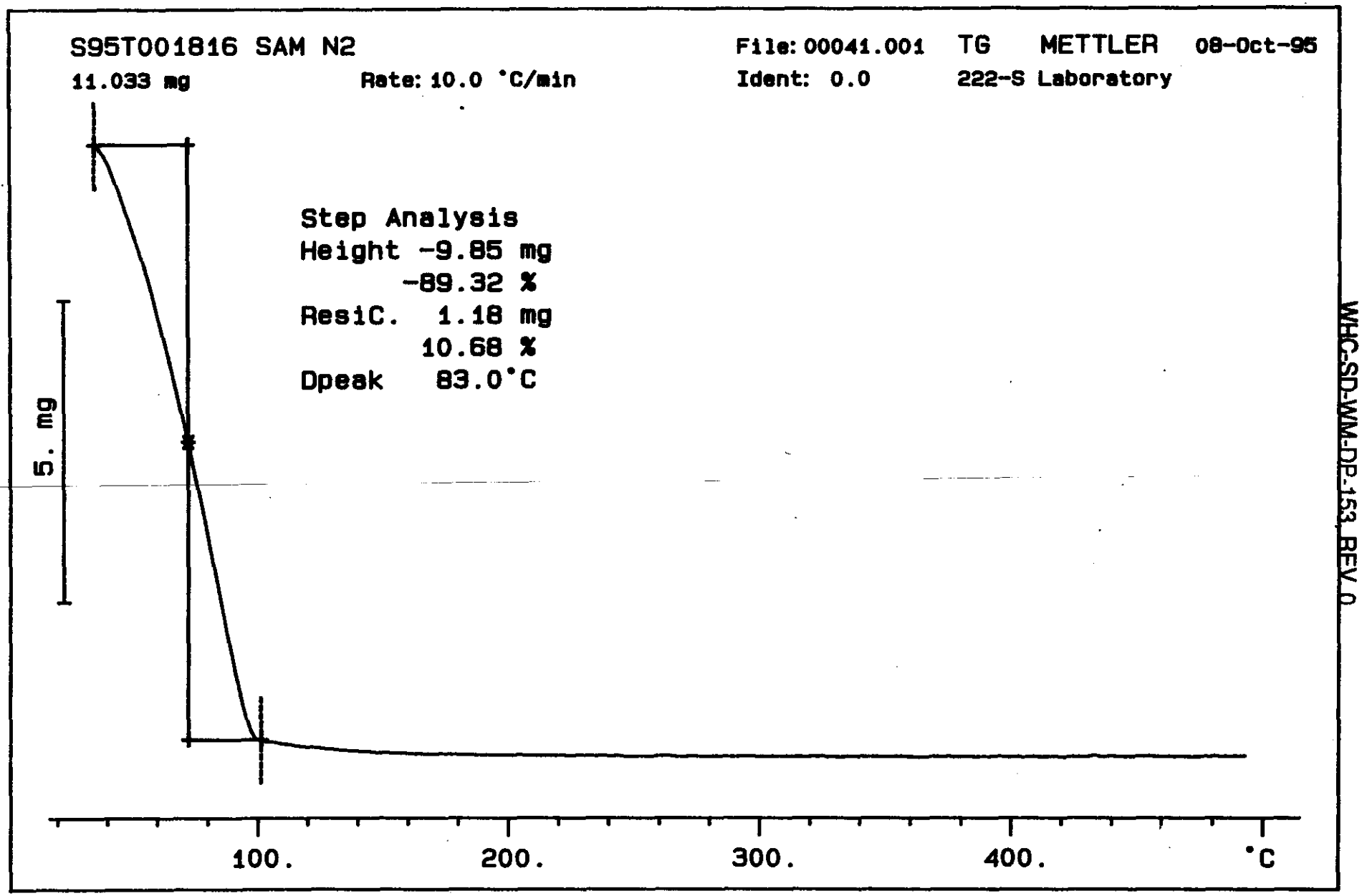

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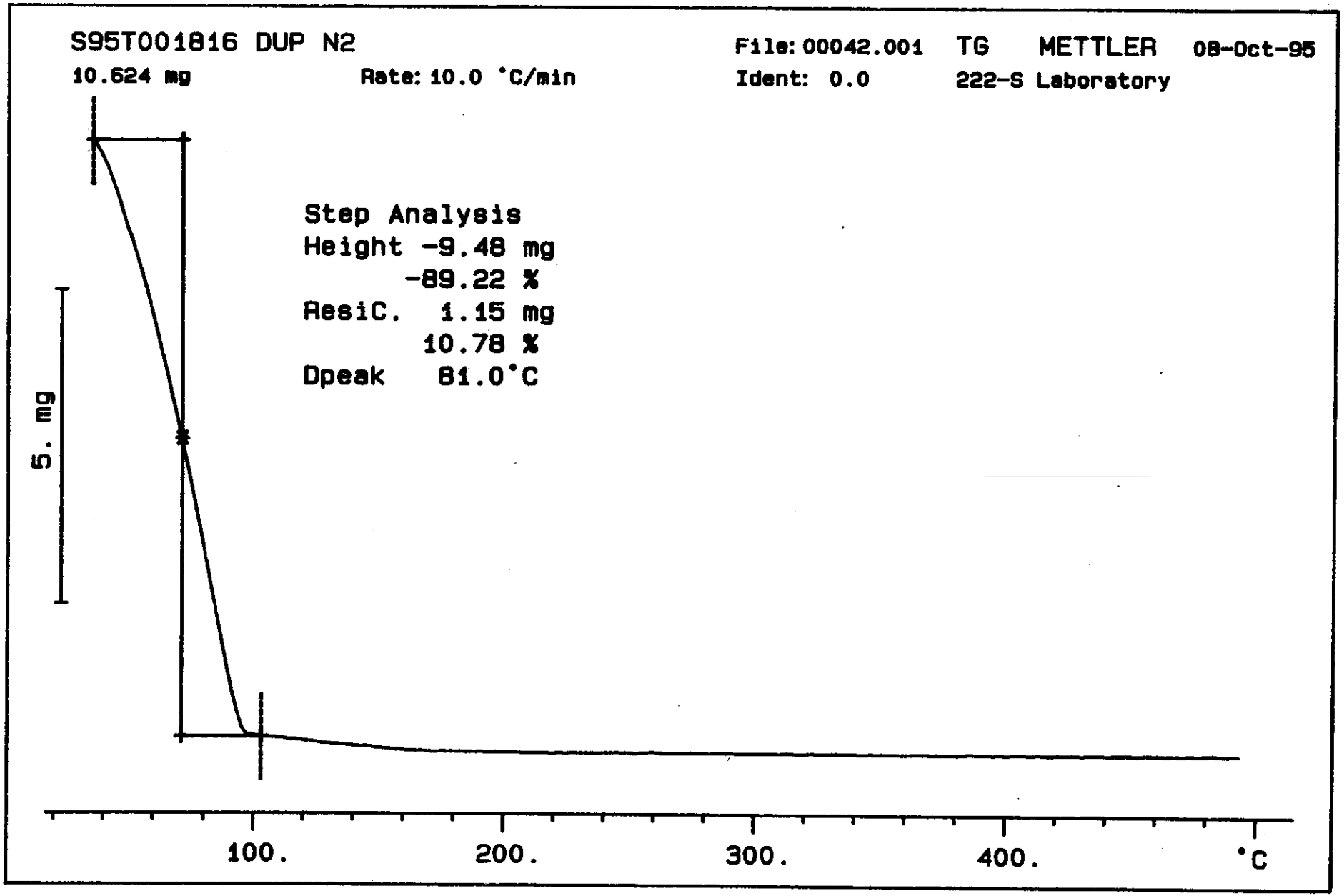


LABCORE Data Entry Template for Worklist# 2202

Analyst: JDS **Instrument:** TGA0 1 **Book #** ~~12N14A~~ 65N8A 9-28-95 BDV

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	LIQUID	59.74	60.25	N/A	%
95000095	BY-110	2 SAMPLE	S95T001817	0		TGA-01	LIQUID	N/A	38.41		%
95000095	BY-110	3 DUP	S95T001817	0		TGA-01	LIQUID	38.41	36.15	N/A	%
		4 STD				TGA-01	LIQUID	59.74	60.15	N/A	%
95000095	BY-110	5 SAMPLE	S95T001818	0		TGA-01	LIQUID	N/A	38.07		%
95000095	BY-110	6 DUP	S95T001818	0		TGA-01	LIQUID	38.07	37.90	N/A	%

Final page for worklist # 2202

See attached by 9-25-95 BDV for signatures
Analyst Signature **Date**

Guy Hammond 9-29-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 9-28-95 BDV 10-2-95

S95T001817 produced one additional weight loss step of 9.45% at 195°C duplicate 9.79%

Data Entry Comments: S95T001818 produced one additional weight loss of 9.23% at 200°C, duplicate 9.41%.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2202

Analyst: JDS **Instrument:** TGA0 1 **Book #** ~~12N14A~~ 9-28-95 BDV

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	LIQUID	~~59.74~~	~~60.25~~	9-28-95 BDV N/A	%
95000095	BY-110	2	SAMPLE	S95T001817	0		TGA-01	LIQUID	N/A 9-28-95 BDV	~~38.41~~	9-28-95 BDV	%
95000095	BY-110	3	DUP	S95T001817	0		TGA-01	LIQUID	~~38.41~~		N/A	%
95000095	BY-110	4	SAMPLE	S95T001818	0		TGA-01	LIQUID	N/A			%
95000095	BY-110	5	DUP	S95T001818	0		TGA-01	LIQUID			N/A	%

Final page for worklist # 2202

JDS 9-25-95

Analyst Signature **Date**

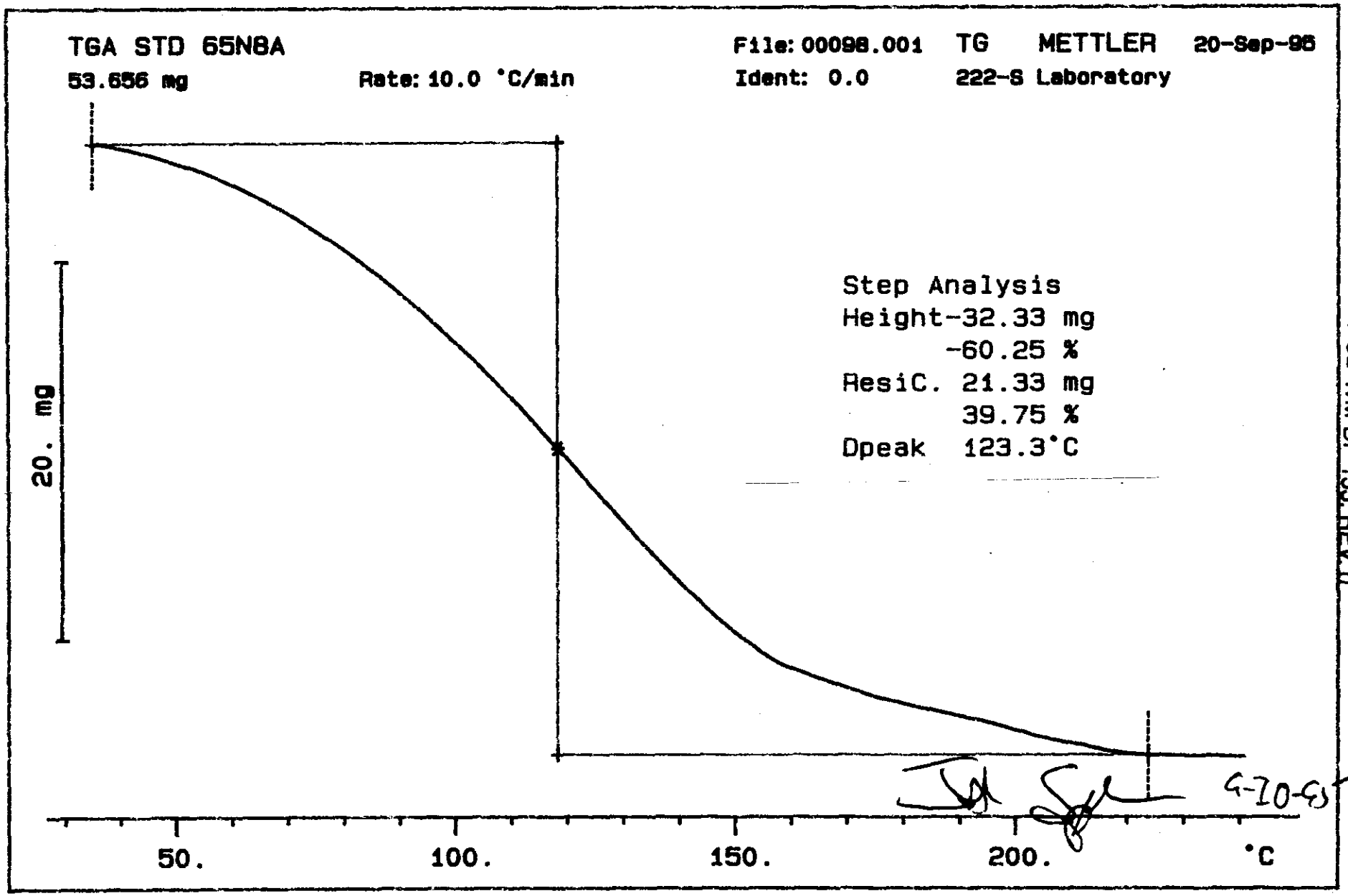
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

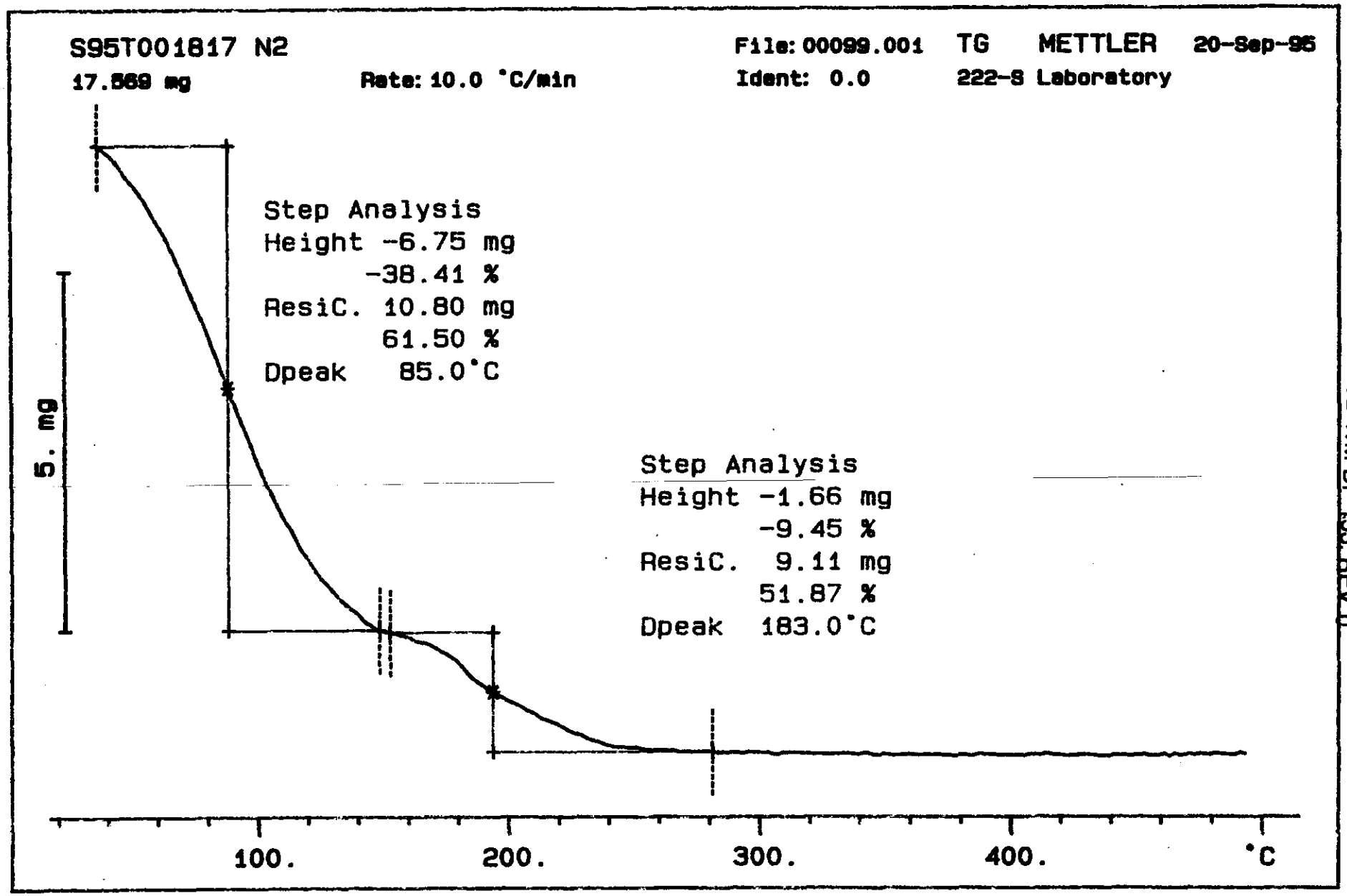
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 624 TO 629.

BEST AVAILABLE COPY



6-10-95

BEST AVAILABLE COPY



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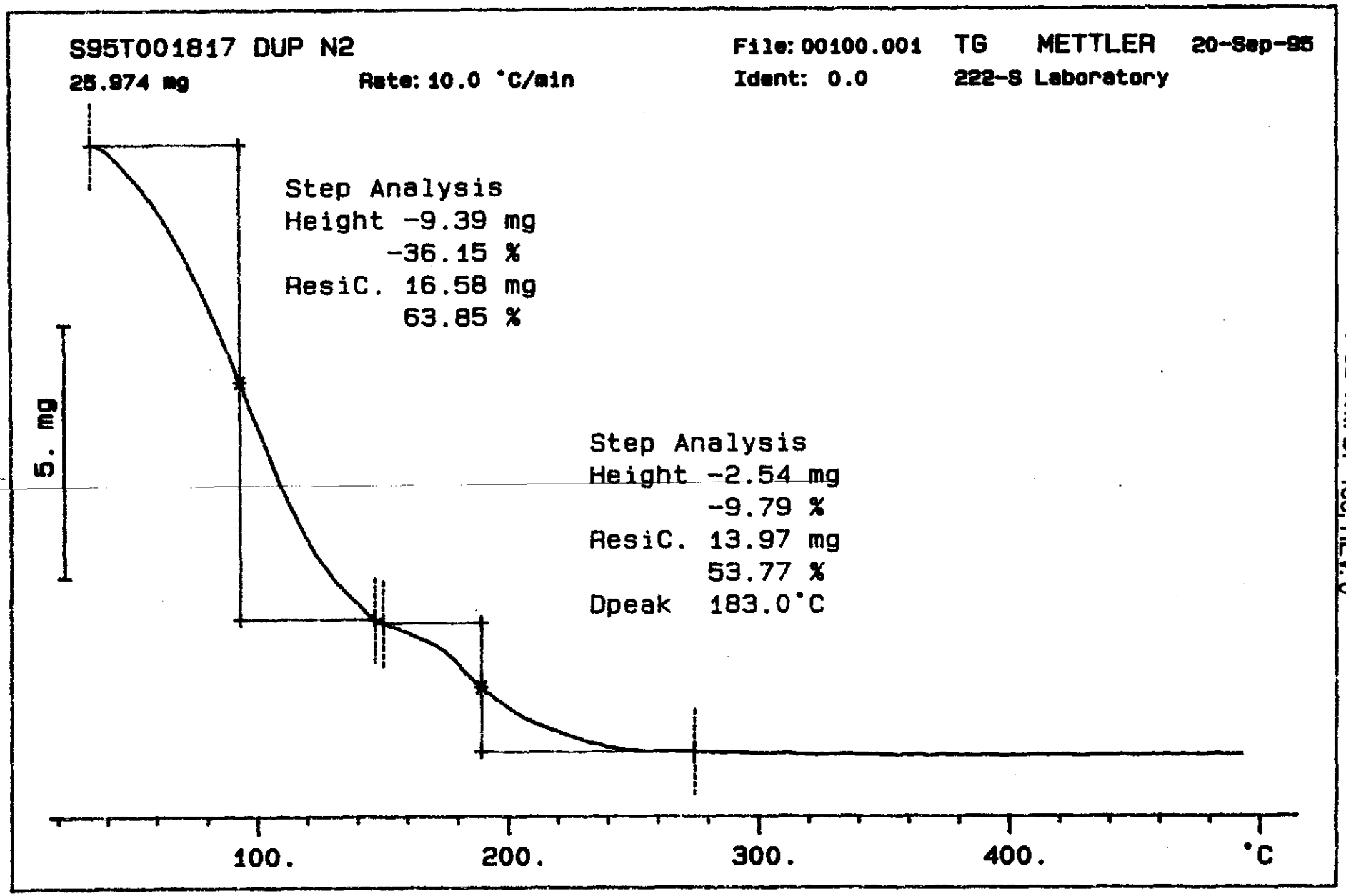
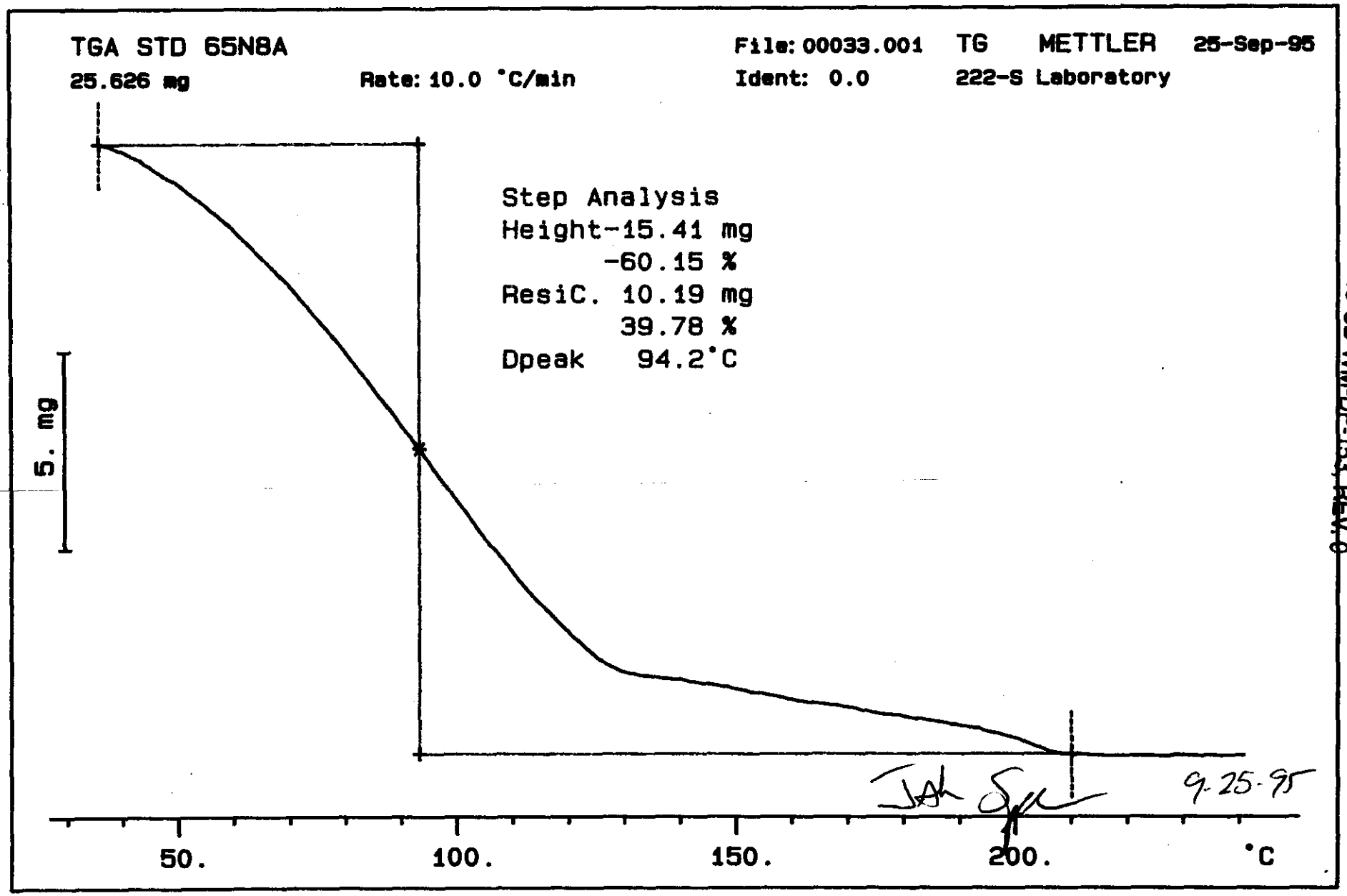


BEST AVAILABLE COPY



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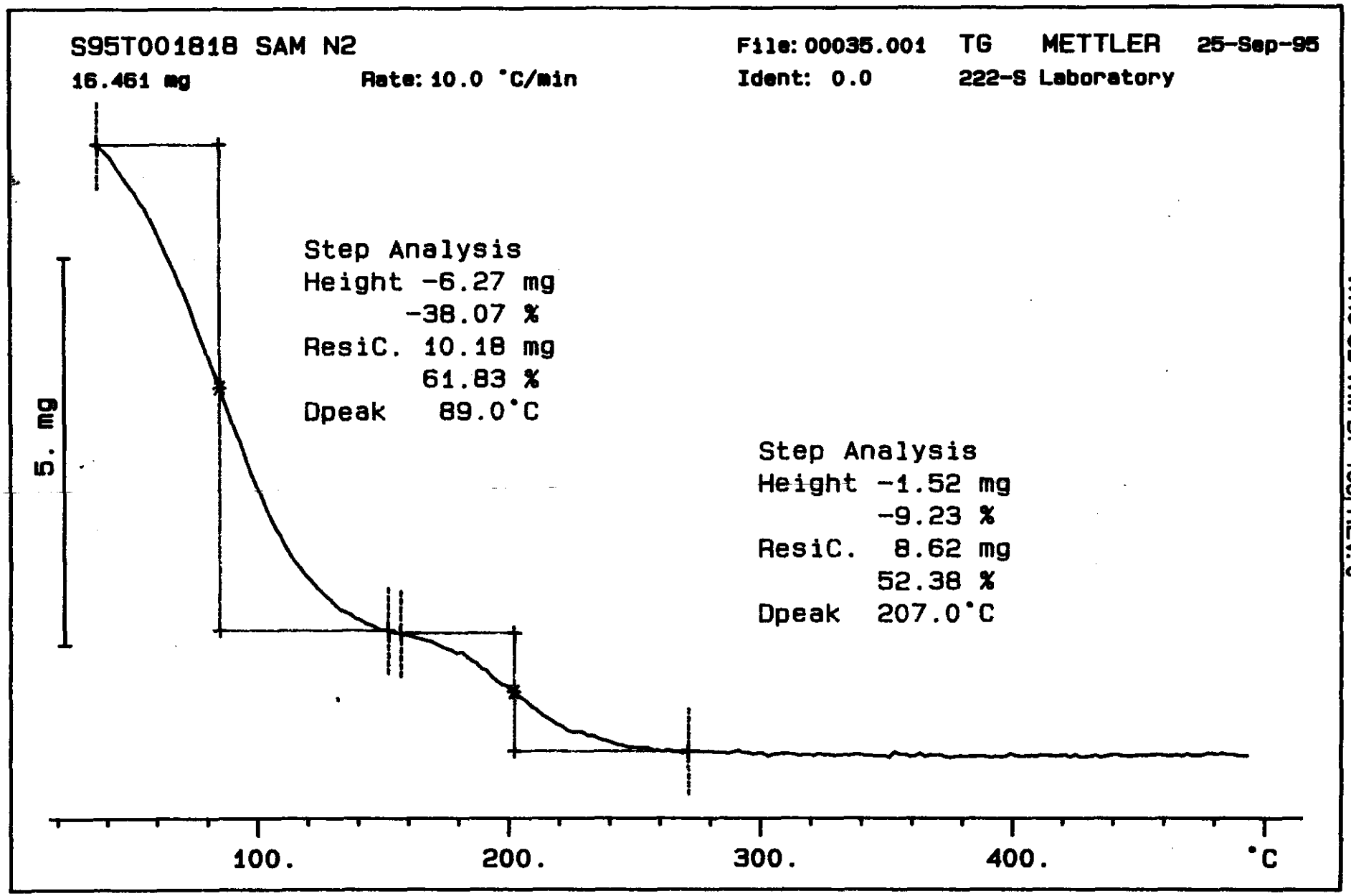

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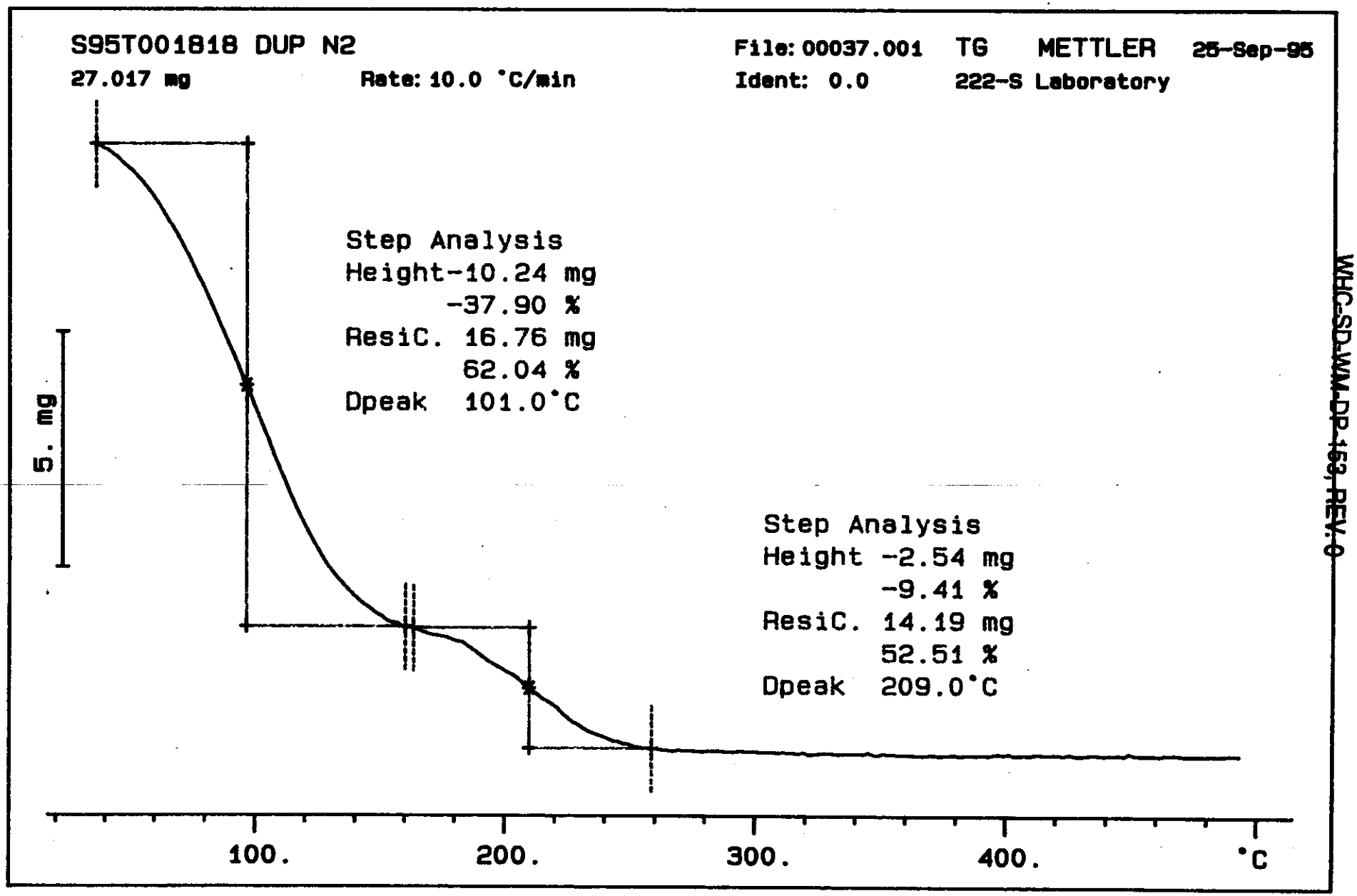


LABCORE Data Entry Template for Worklist# 2203

Analyst: SMF **Instrument:** TGA0 3 **Book #** 65N8-A

Method: LA-514-114 Rev/Mod C - 0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	LIQUID	59.74	60.57	N/A	%
95000110	BY-110	2	SAMPLE	S95T001791	0		TGA-03	LIQUID	N/A	40.66		%
95000110	BY-110	3	DUP	S95T001791	0		TGA-03	LIQUID	40.66	38.71	N/A	%

Final page for worklist # 2203

See attached for signatures
Analyst Signature Date 9-12-95

Analyst Signature Date 9-13-95

Verified 9/13/95. JM. Fuge

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2203

Analyst: SMF **Instrument:** TGA0 **Book #** 65N8-A

Method: ~~LA-560-112 Rev/Mod~~ LA-514-114/C-0
SMF 9-7-95

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	LIQUID			N/A	%
95000110	BY-110	2	SAMPLE	S95T001791	0		TGA-01	LIQUID	N/A			%
95000110	BY-110	3	DUP	S95T001791	0		TGA-01	LIQUID			N/A	%

Final page for worklist # 2203

S M Fulton 9-7-95
Analyst Signature **Date**

Analyst Signature **Date**

Other instrument was used.
9-12-95
BDV

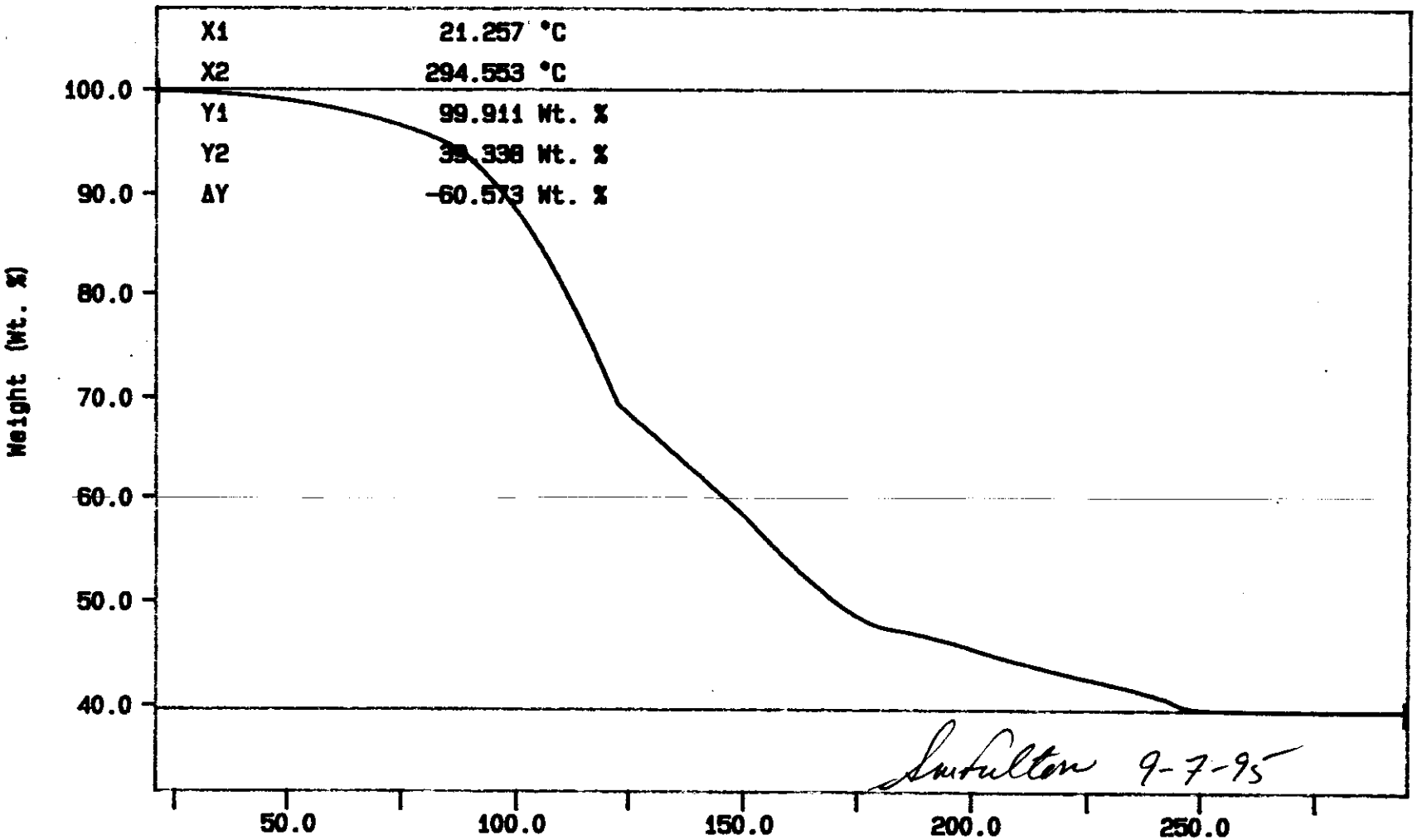
Data Entry Comments: Sample is a clear, bright yellow liquid

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER090701 Thu Sep 7 00:53:20 1995
Sample Weight: 15.127 mg
65N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 632 TO 634.

BEST AVAILABLE COPY

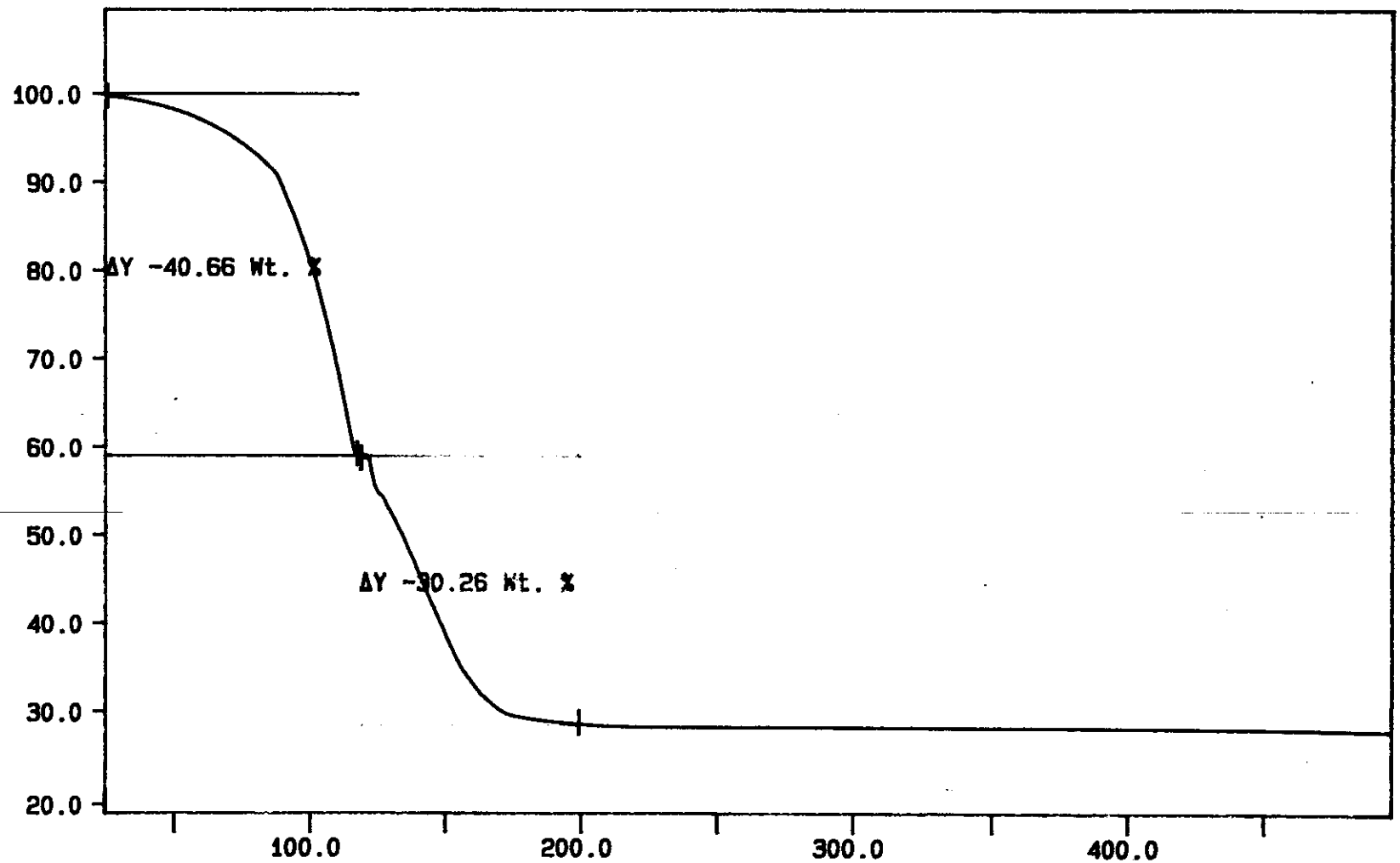


N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Sep 7 00:57:26 1995

Curve 1: TGA
File info: SAM090701 Thu Sep 7 03:25:32 1995
Sample Weight: 10.378 mg
S95T001791 at 10C/min

BEST AVAILABLE COPY

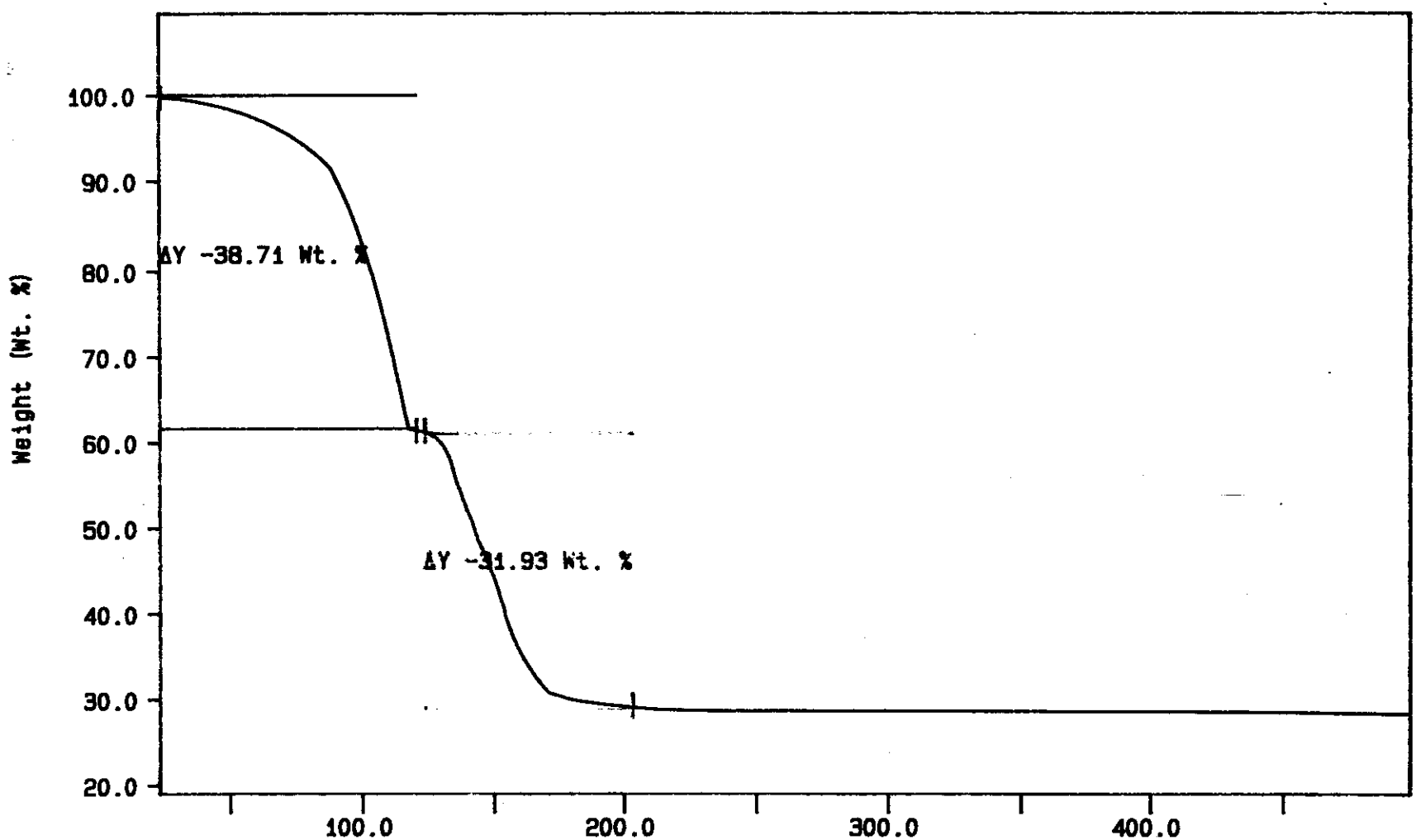


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Sep 12 12:41:47 1995

Curve 1: TGA
File info: SAM090702 Thu Sep 7 06:02:46 1995
Sample Weight: 11.998 mg
S95T001791 DUP at 10C/min

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

SM FULTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Sep 12 12:46:57 1995

worklistrpt Version 2.1 05/15/95
09/07/95 16:54

LABCORE Data Entry Template for Worklist# 2277

Analyst: SMF **Instrument:** TGA01 3 9-11-95 BDV **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: BY-110 TGA, please run under N2. JMF

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	61.40	N/A	%
95000123	BY-110	2 SAMPLE	S95T001909	0		TGA-01	SOLID	N/A	17.71		%
95000123	BY-110	3 DUP	S95T001909	0		TGA-01	SOLID	17.71	19.52	N/A	%
95000124	BY-110	4 SAMPLE	S95T001948	0		TGA-01	SOLID	N/A	.88		%
95000124	BY-110	5 DUP	S95T001948	0		TGA-01	SOLID	.88	1.76	N/A	%

Final page for worklist # 2277

S M Fulton 9-8-95
Analyst Signature **Date**

[illegible] 9-14-95
Analyst Signature **Date**

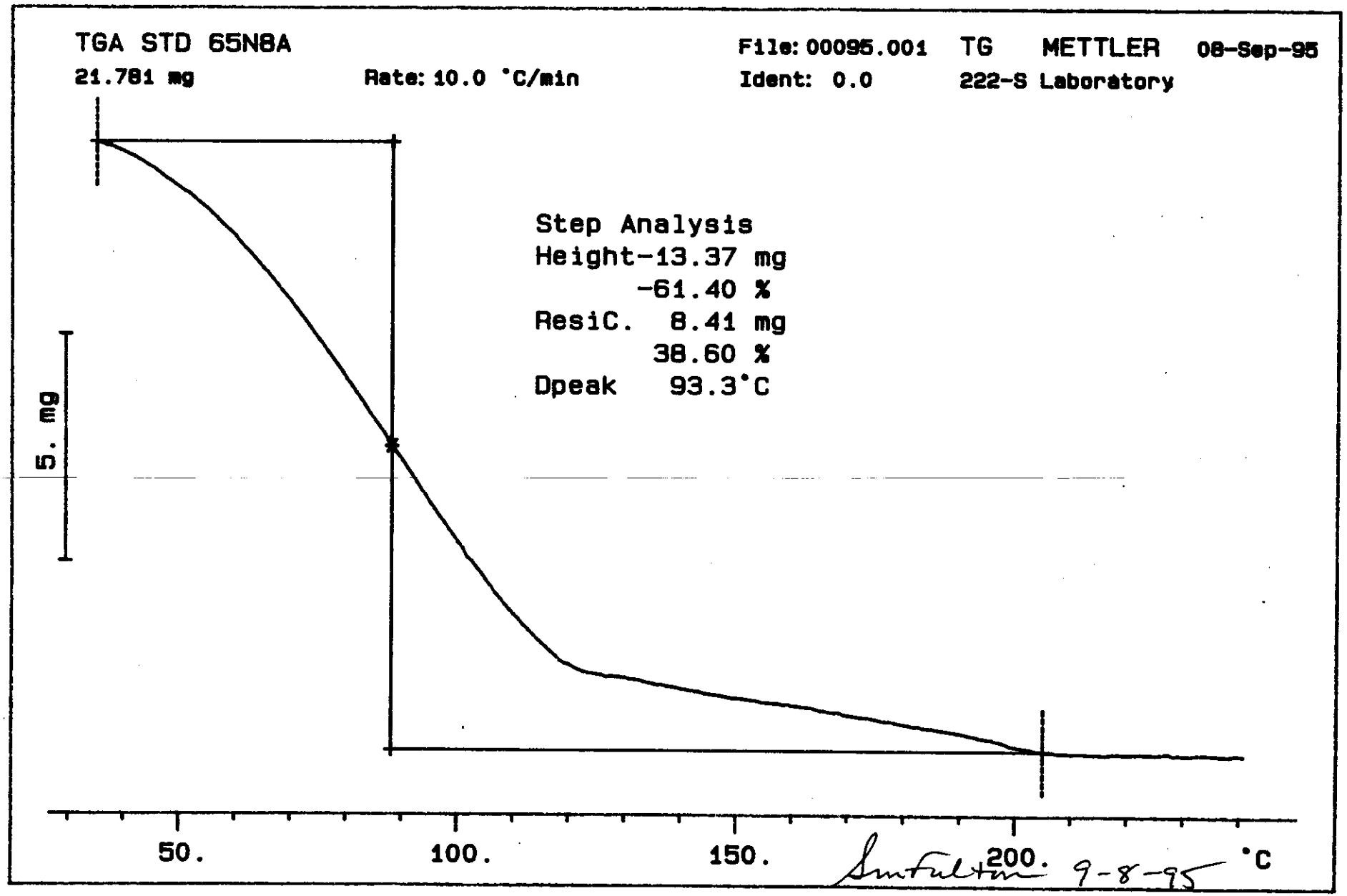
Verified 9/14/95 Jean M. Lyle

Data Entry Comments: S95T001909 - like lt Brown Sugar
S95T001948 - like white salt crystals

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 635 TO 640.

BEST AVAILABLE COPY



Smfulton 9-8-95

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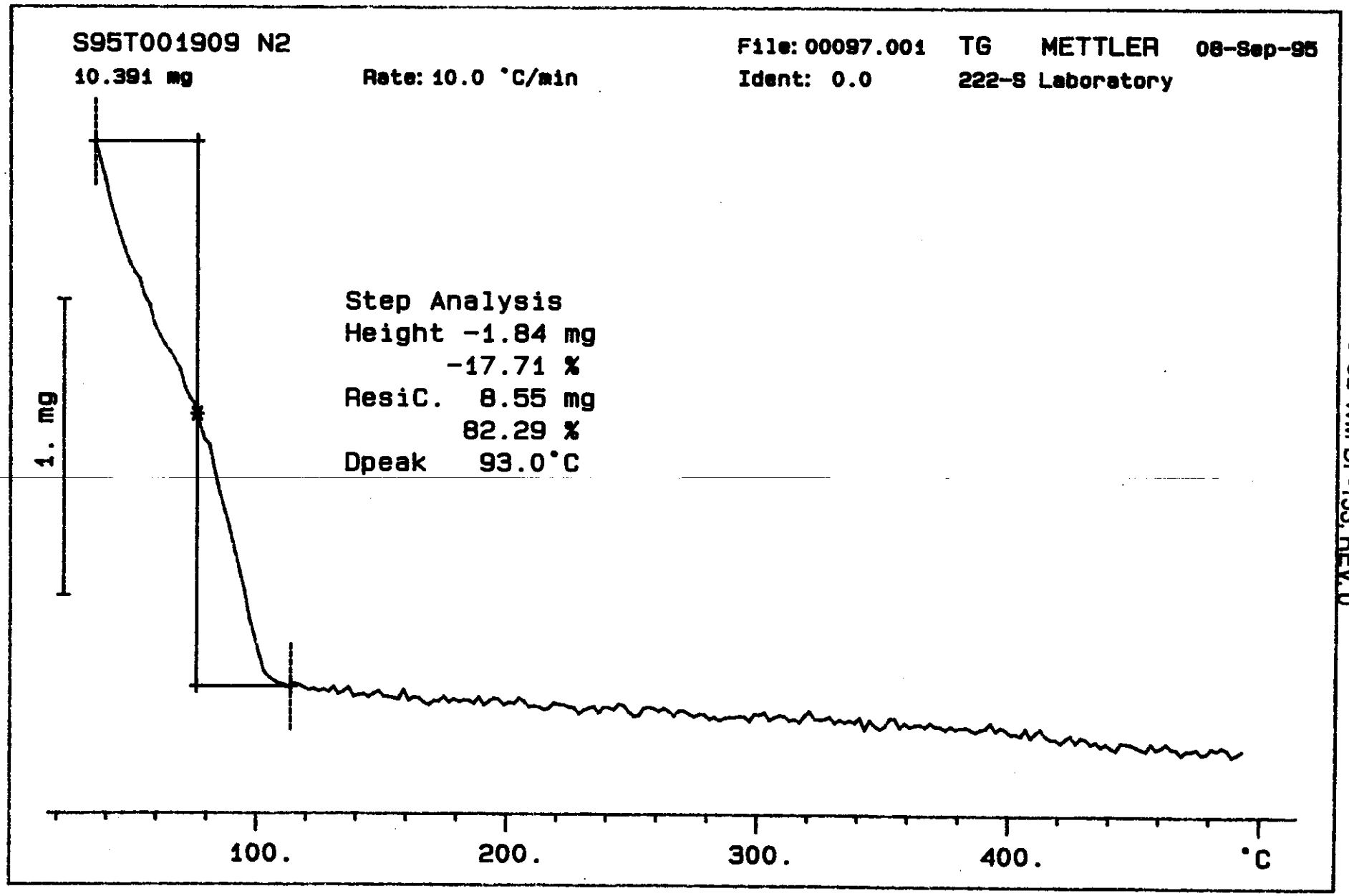

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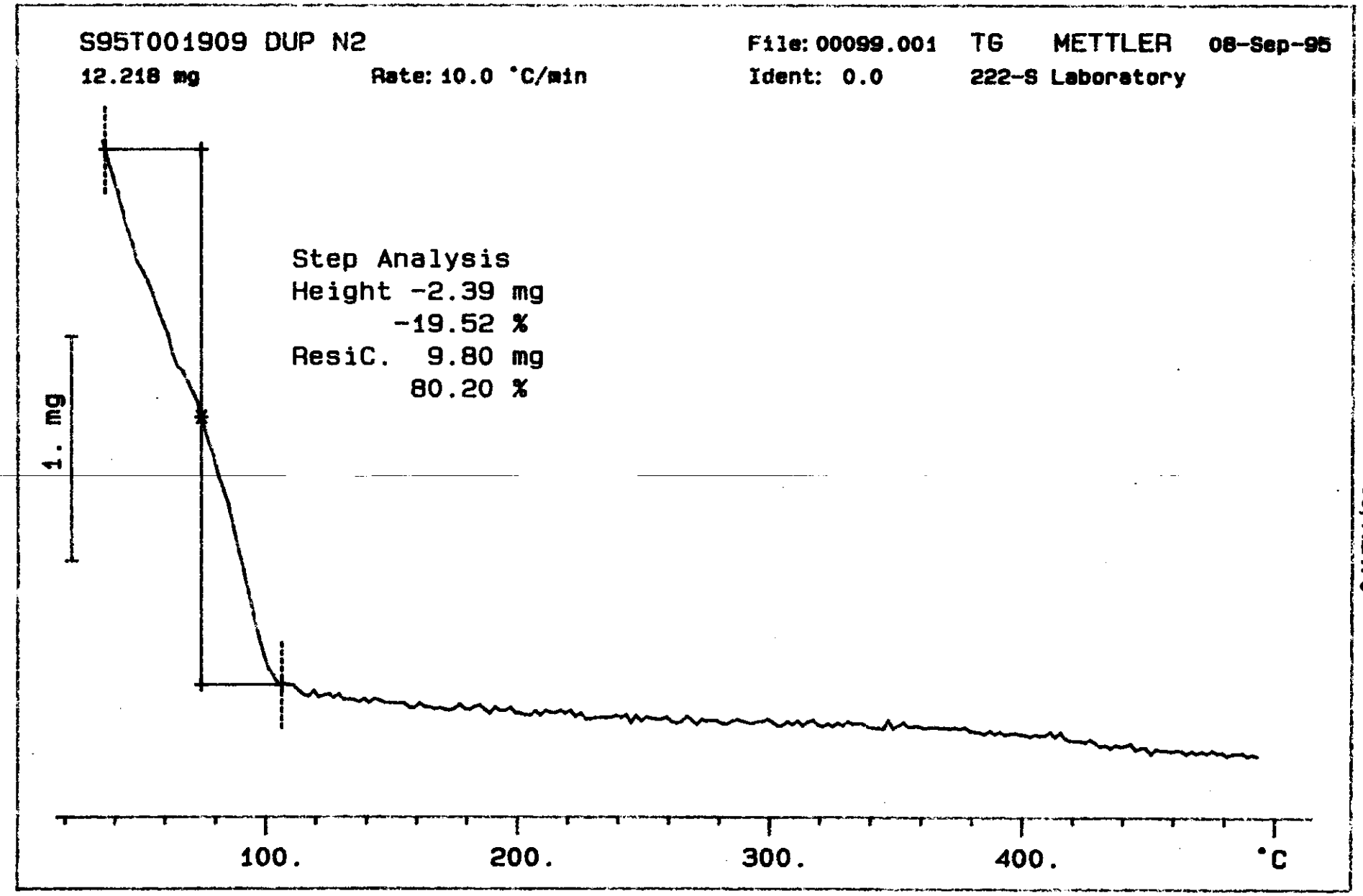

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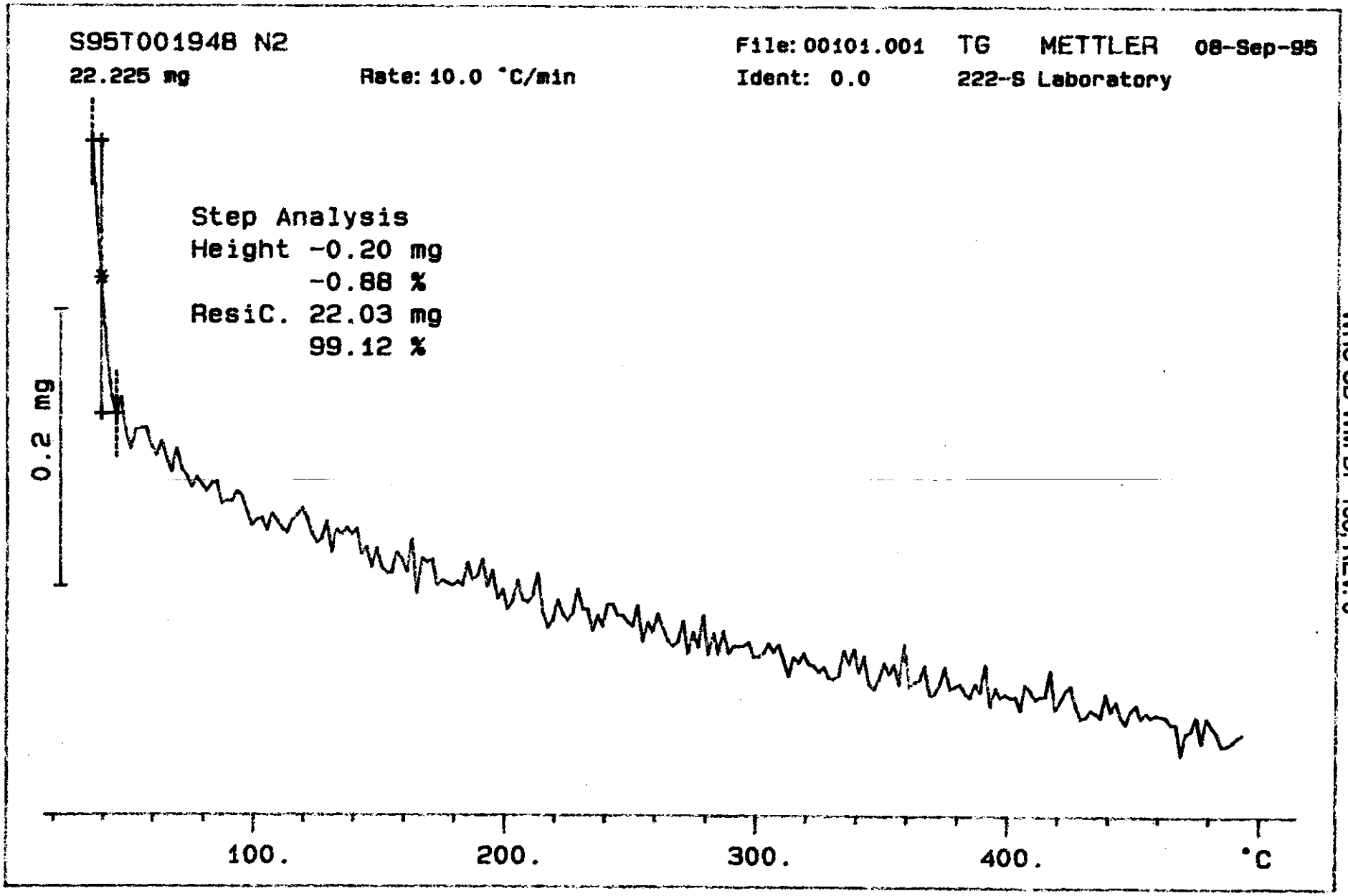

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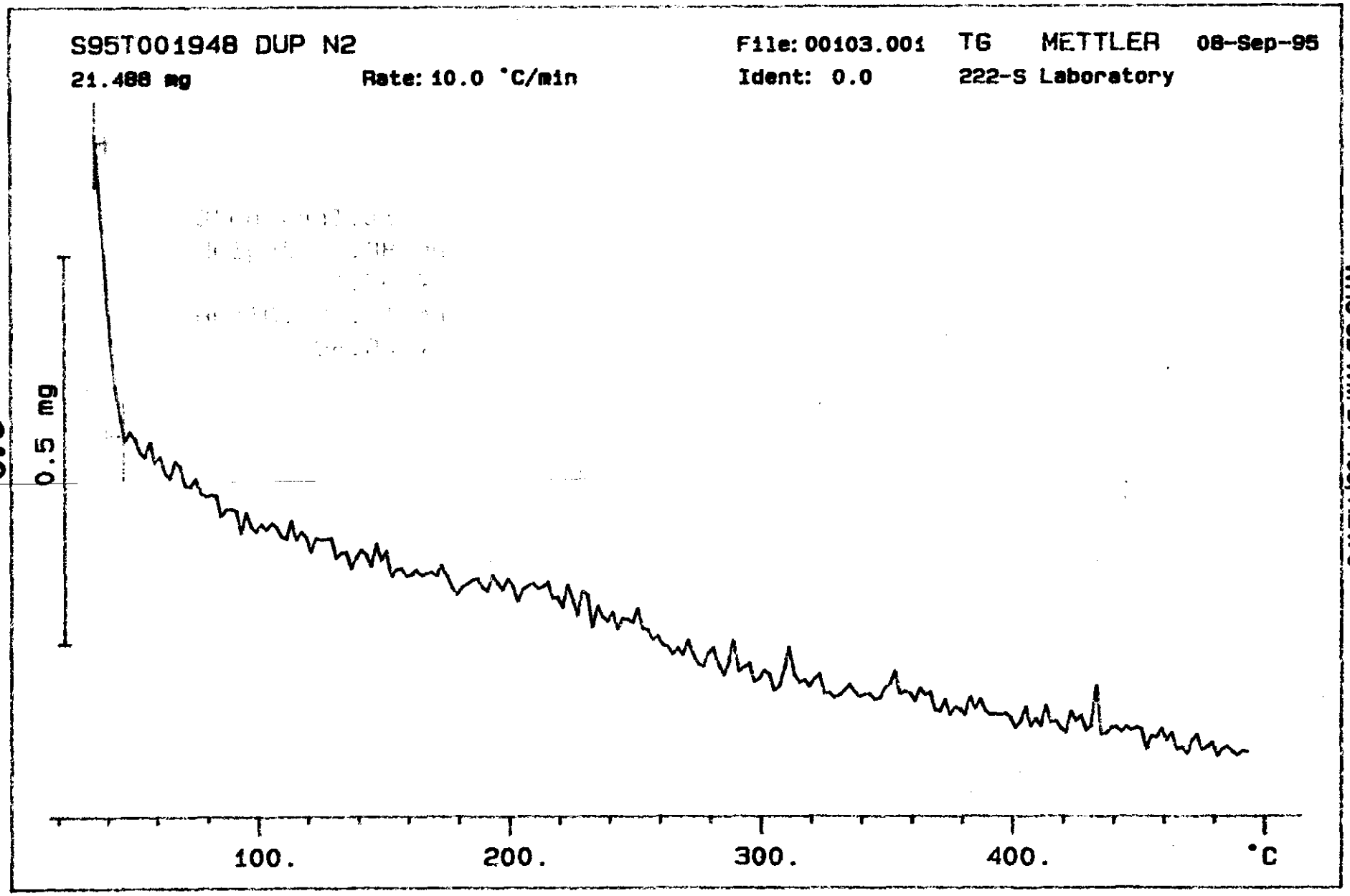


LABCORE Data Entry Template for Worklist# 2429

Analyst: RDM **Instrument:** TGA0 1 **Book #** 65NB-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.03	N/A	%
95000124	BY-110	2 SAMPLE	S95T002088	0		TGA-01	SOLID	N/A	32.09		%
95000124	BY-110	3 DUP	S95T002088	0		TGA-01	SOLID	32.09	32.85	N/A	%

Final page for worklist # 2429

RDMagyar 10/5/95
Analyst Signature **Date**

10-11-95
Analyst Signature **Date**

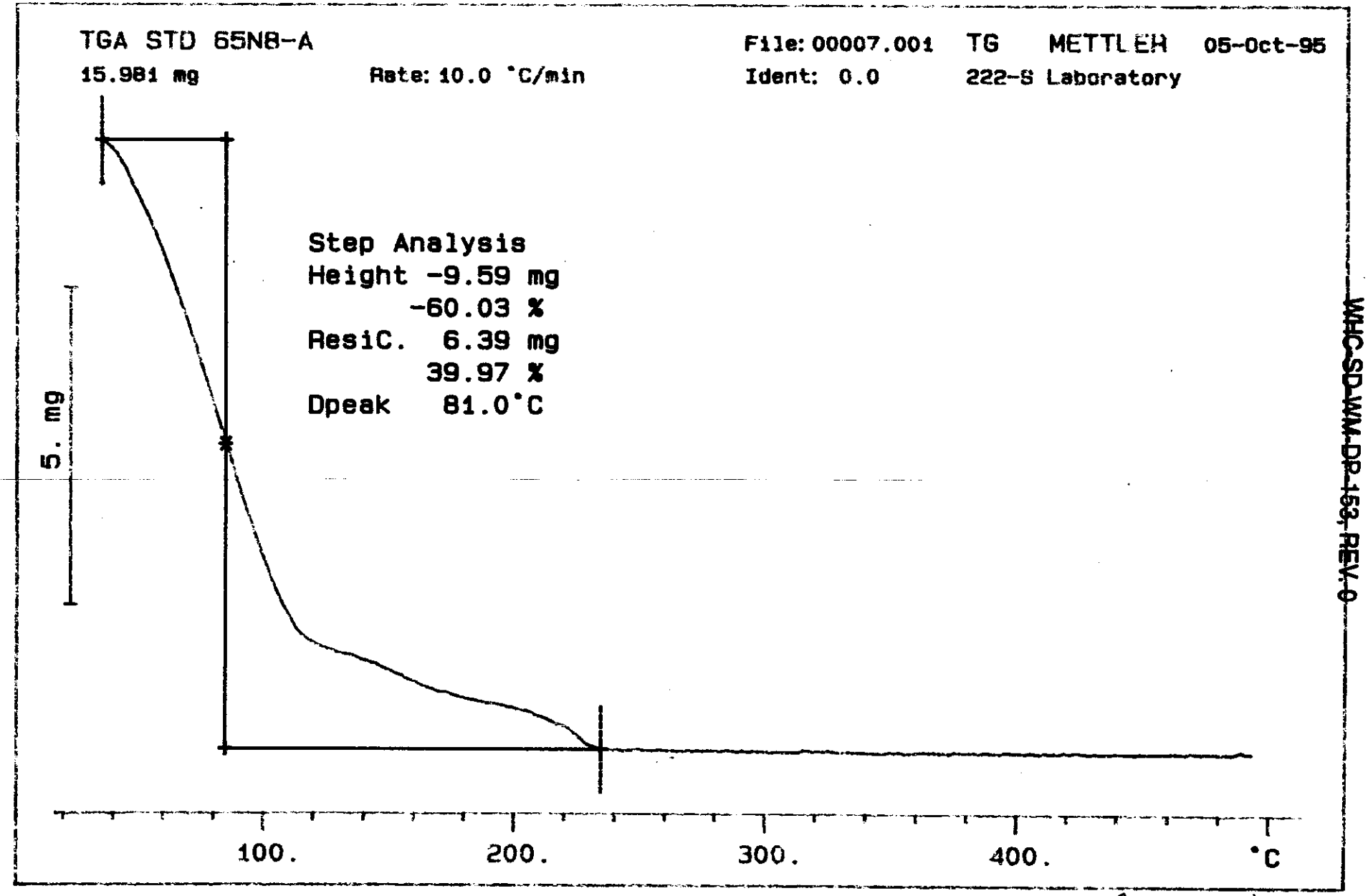
Verified by Blandina Valenzuela 10-11-95

Data Entry Comments: Sample produced a second weight loss step of 8.56% at approximately 210°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 642 TO 644.

BEST AVAILABLE COPY



K Dorsey 10/5/95

642

WHC-SD-WM-DP-153, REV. 0

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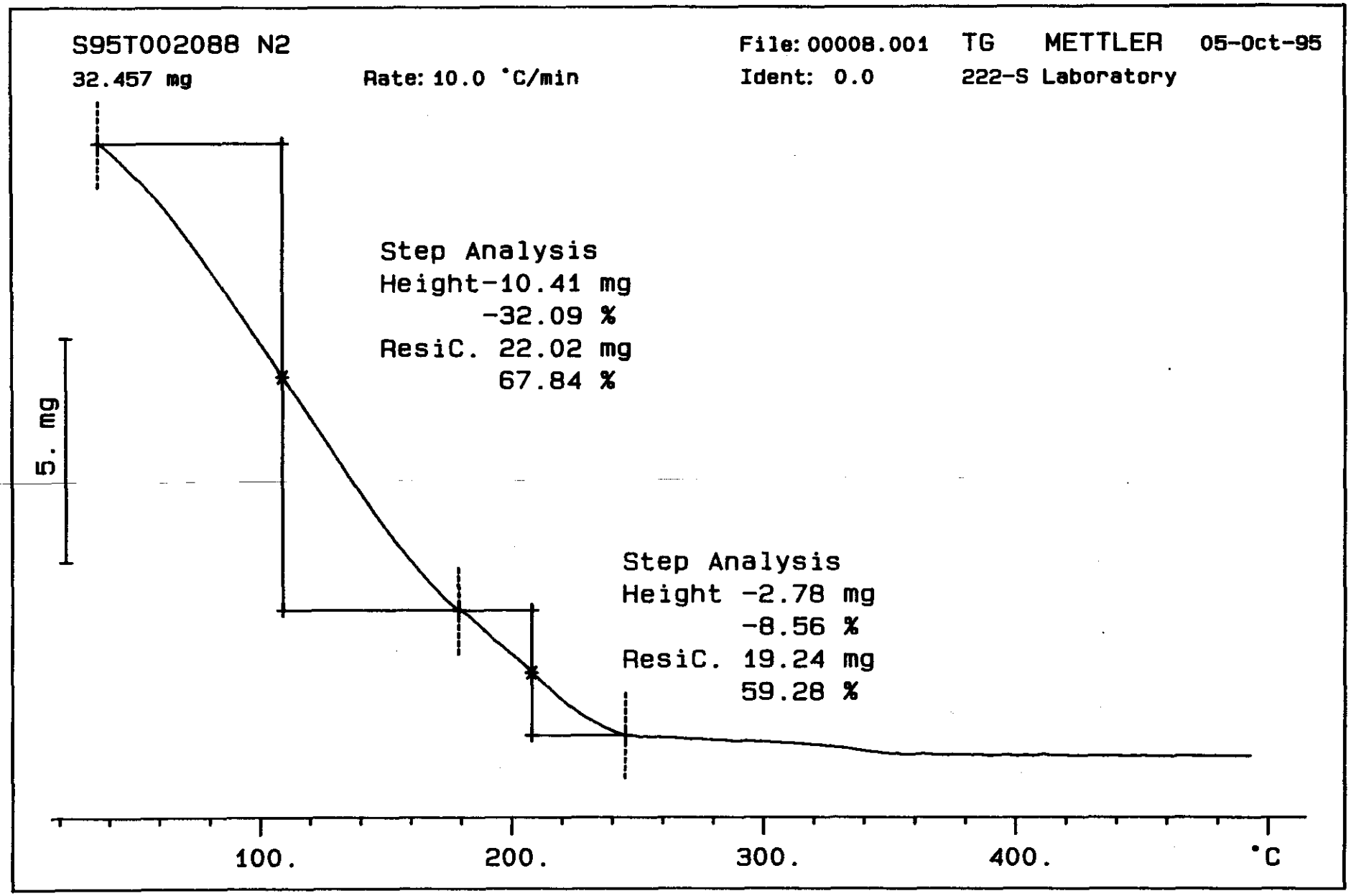

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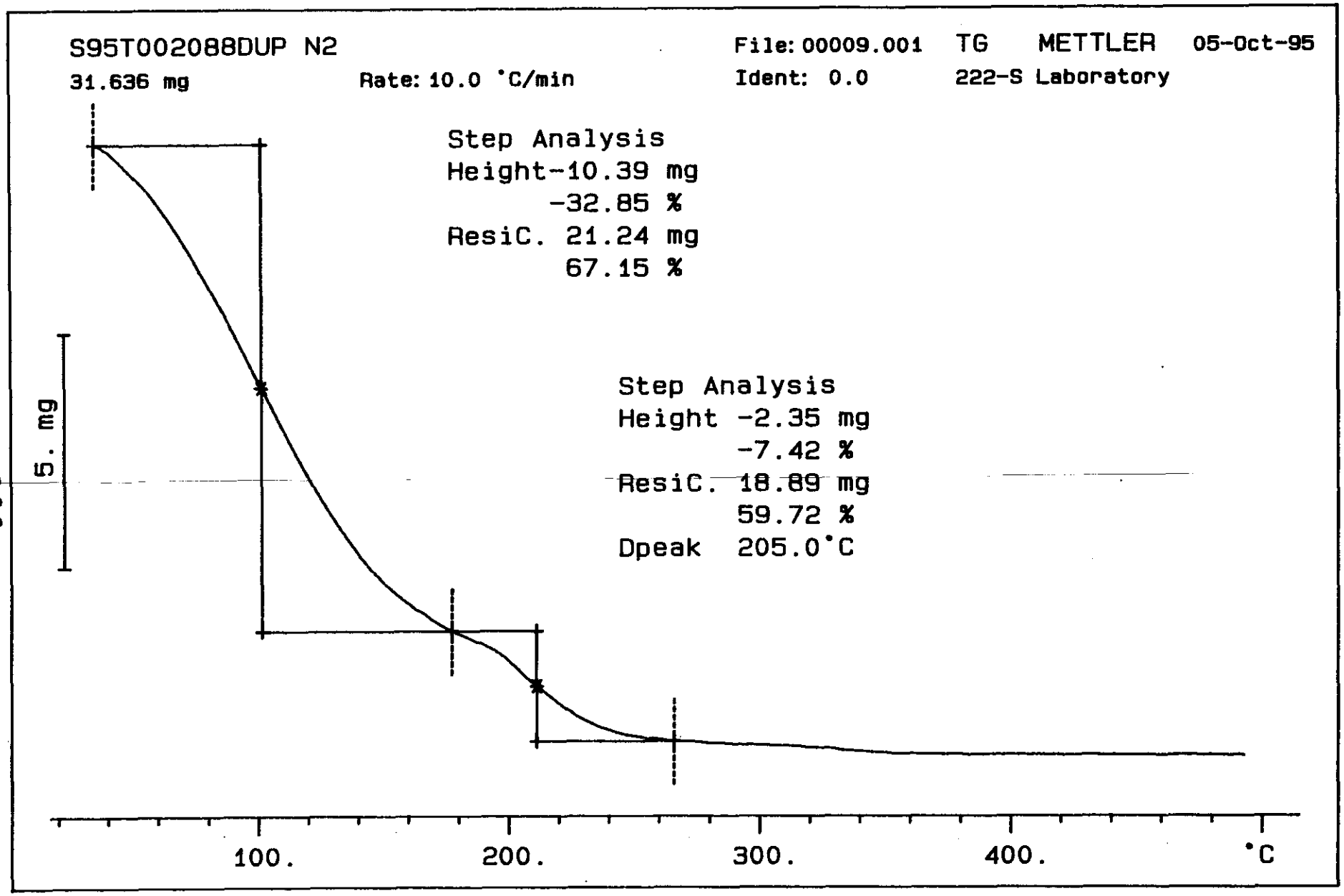


LABCORE Data Entry Template for Worklist# 2430

Analyst: JDS **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	59.33	N/A	%
95000124	BY-110	2 SAMPLE	S95T002089	0		TGA-01	SOLID	N/A	32.56		%
95000124	BY-110	3 DUP	S95T002089	0		TGA-01	SOLID	32.56	33.67	N/A	%
		4 STD				TGA-01	SOLID	59.74	60.19	N/A	%
95000124	BY-110	5 SAMPLE	S95T002090	0		TGA-01	SOLID	N/A	~~29.16~~ 26.18	12/18/95 BDV	%
95000124	BY-110	6 DUP	S95T002090	0		TGA-01	SOLID	~~29.16~~ 26.18	~~26.18~~ 29.16	12/18/95 BDV N/A	%

Final page for worklist # 2430

See attached for signatures
Analyst Signature **Date** 10-9-95
Verified by Blanaina Valenzuela 10-11-95

Analyst Signature **Date** 10-11-95

Data Entry Comments: S95T002089 has several peaks in the TGA thermogram, at the time of analysis there was a lot of vibration through the lab. Because TGA is a measure of the delta Y (change in weight) the results are not compromised.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2430

Analyst: JDS **Instrument:** TGA0 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2 SAMPLE	S95T002089	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3 DUP	S95T002089	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4 SAMPLE	S95T002090	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5 DUP	S95T002090	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2430

Analyst Signature 10.9.95 Date

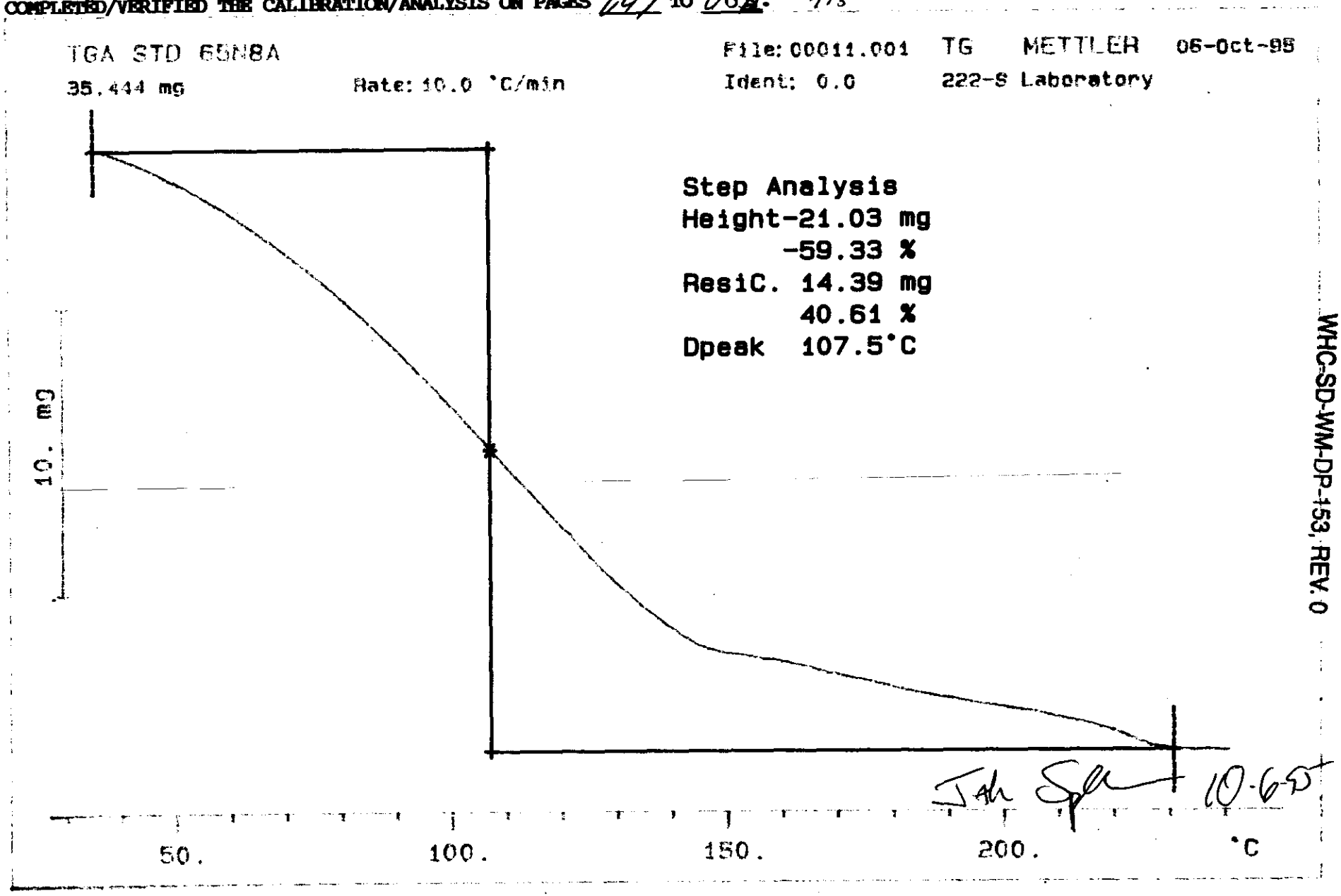
Analyst Signature 10-9-95 Date

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 647 TO 658. 2 12/19/95

BEST AVAILABLE COPY



Joh Spl 10-6-95

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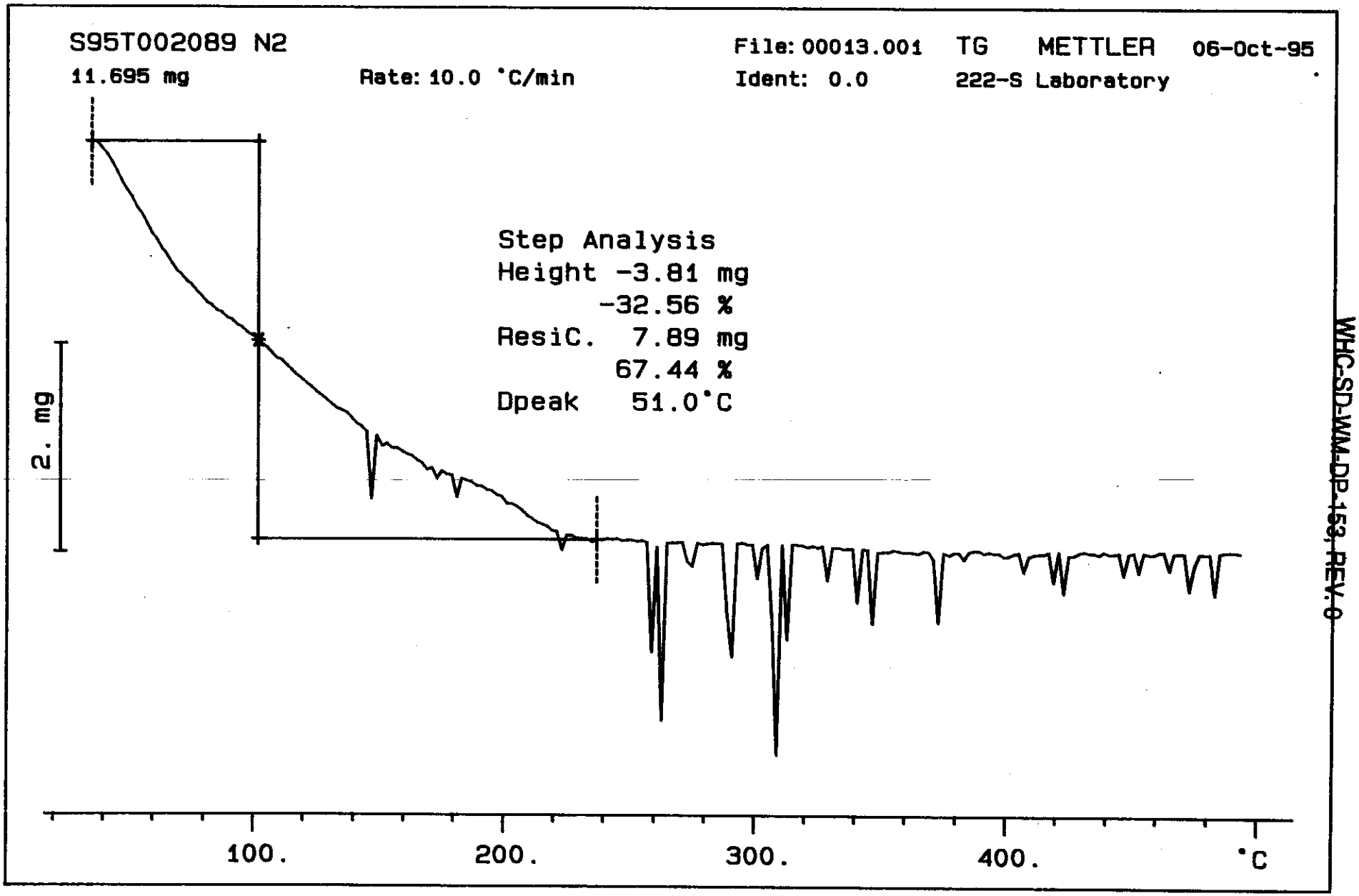

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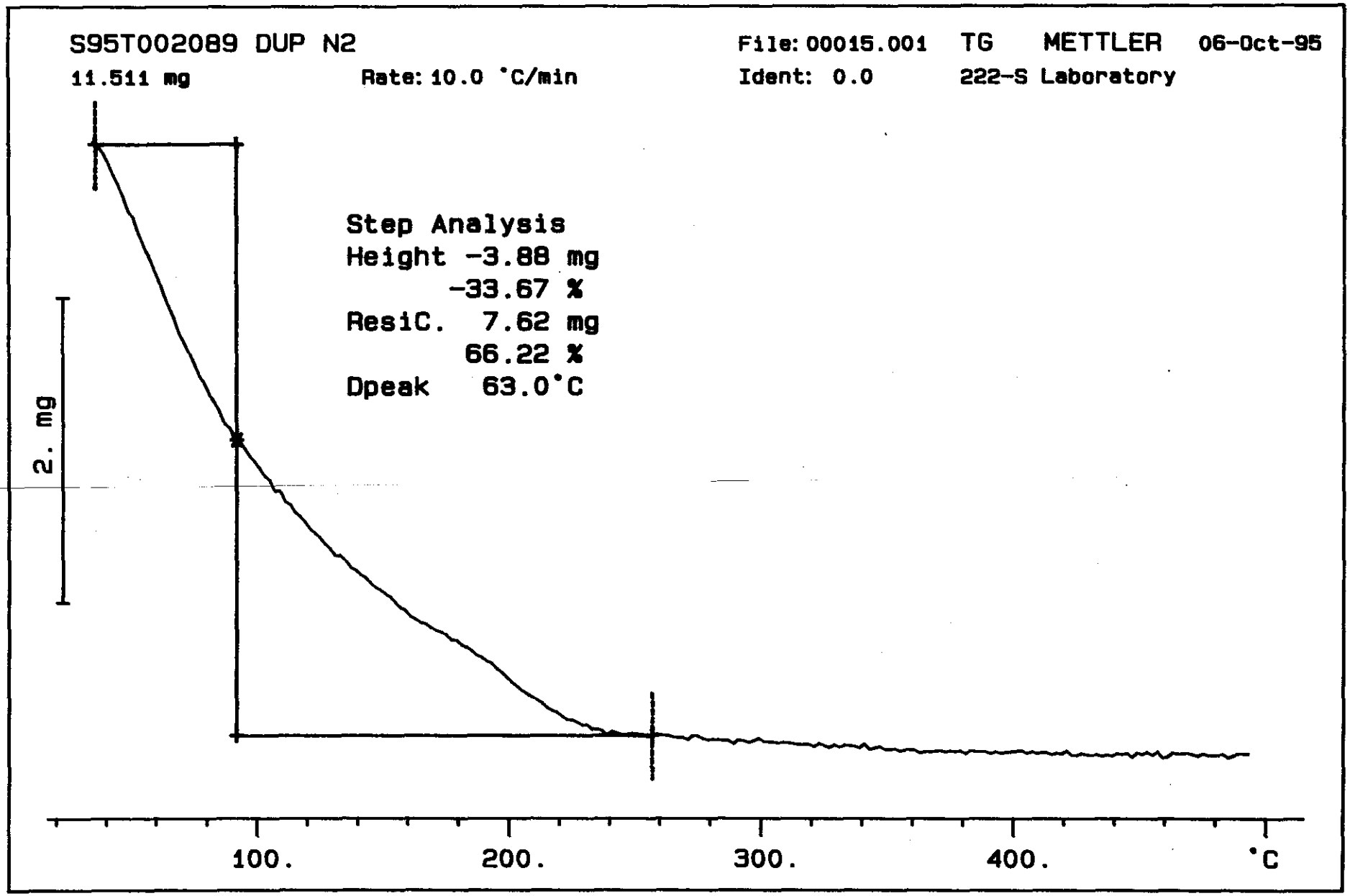

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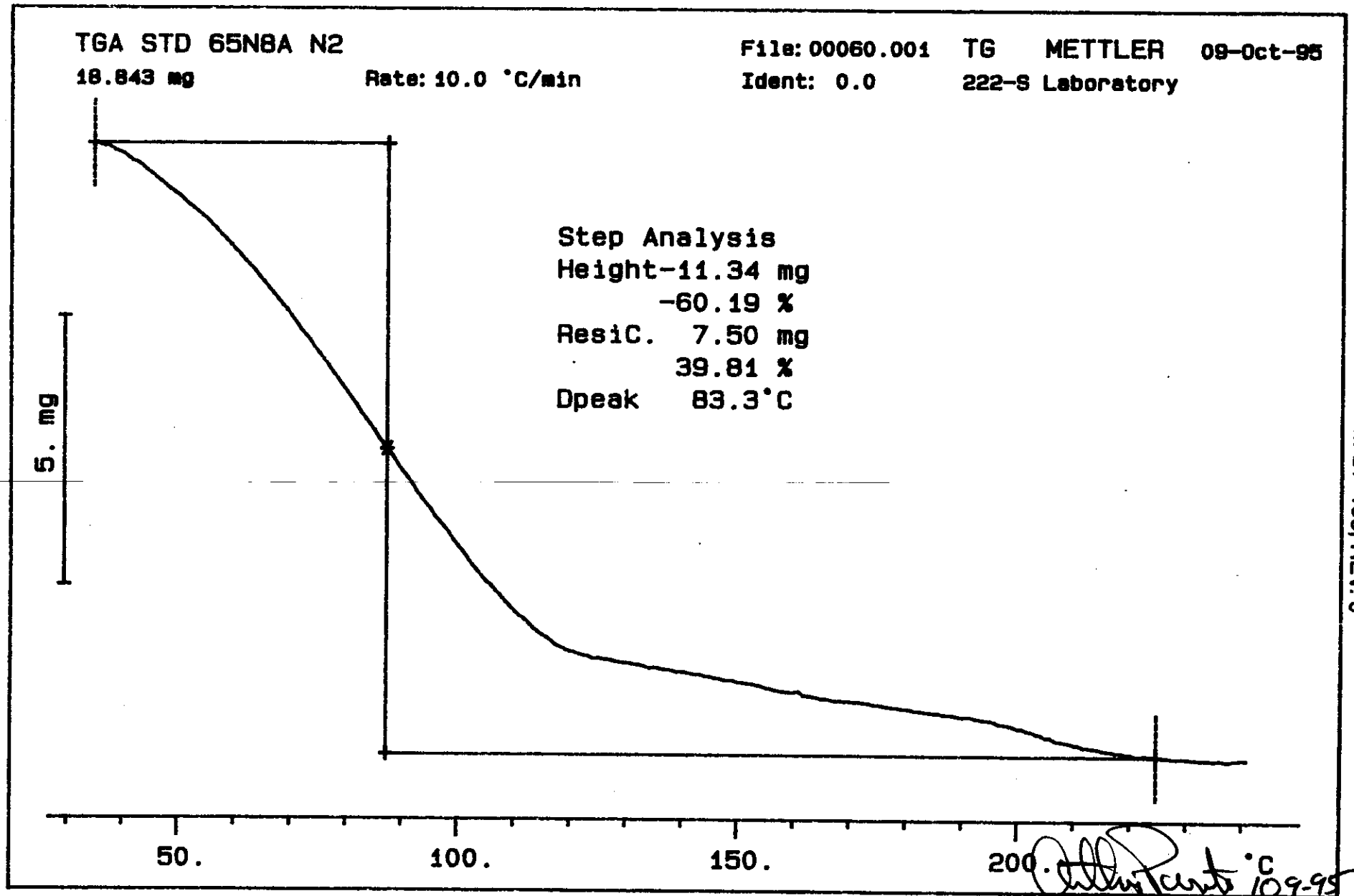
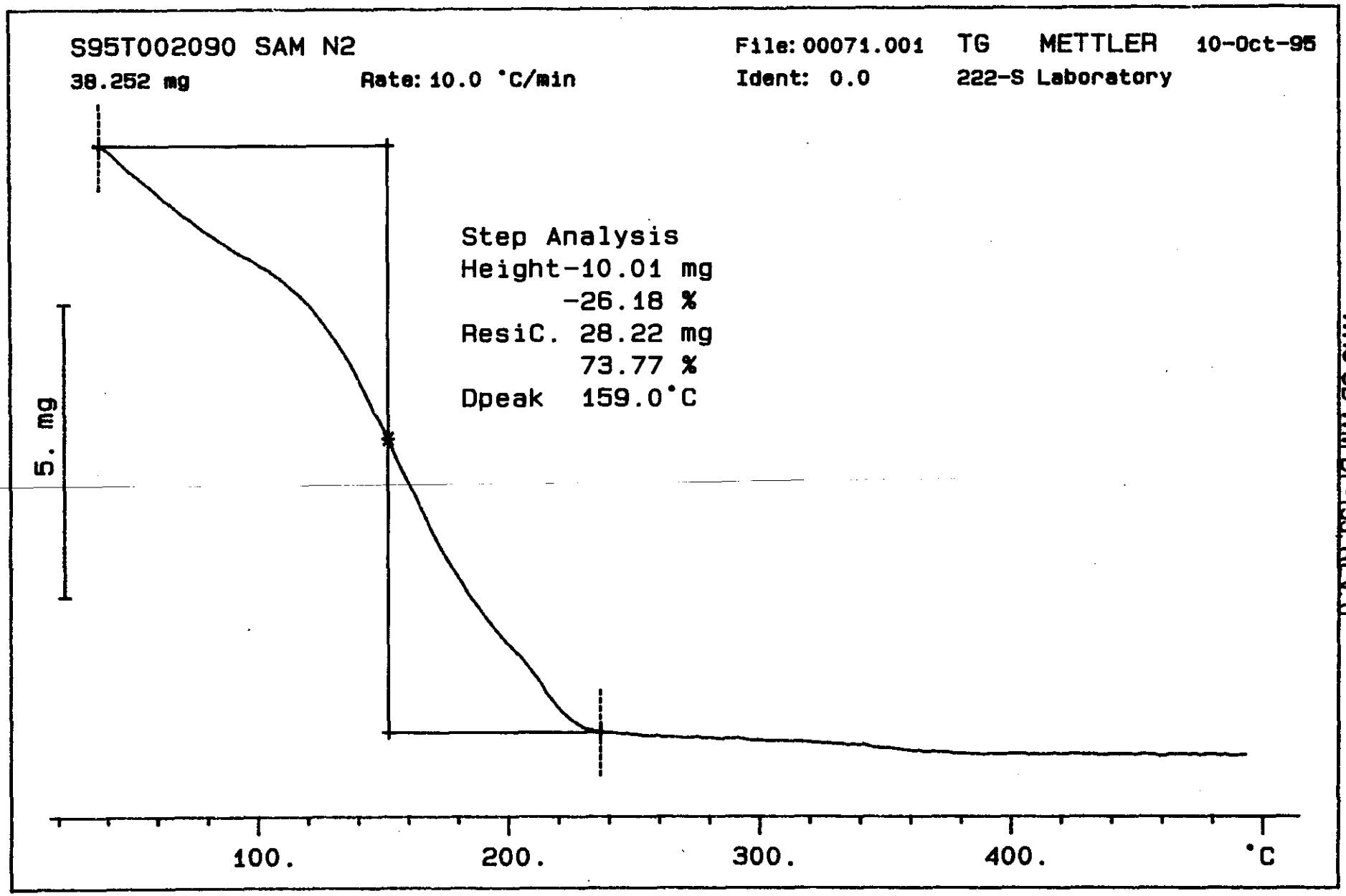


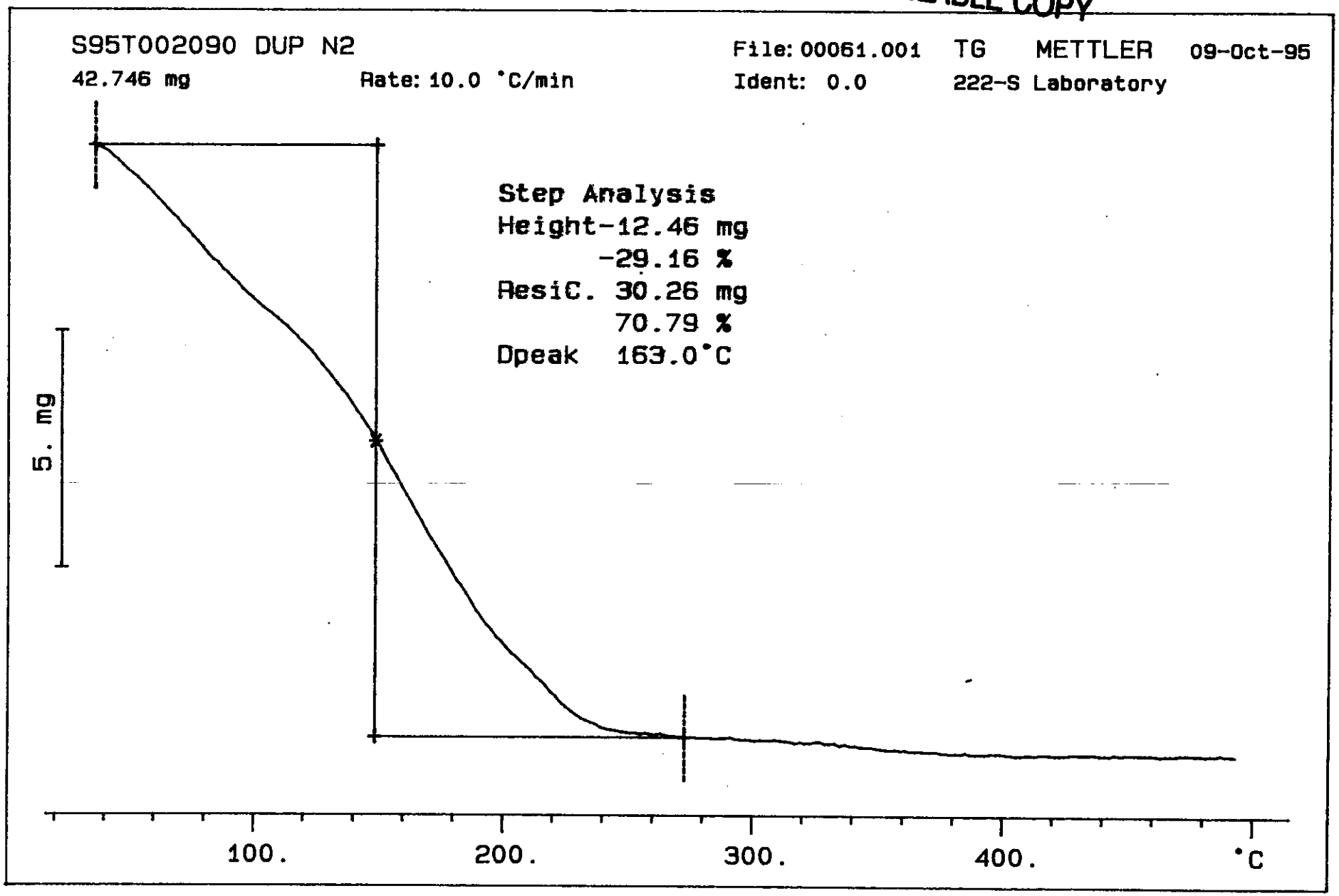
C50

WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2431

Analyst: ADP **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.30	N/A	%
95000124	BY-110	2	SAMPLE	S95T002091	0		TGA-03	SOLID	N/A	~~25.61~~ 26.16	12/18/95	%
95000124	BY-110	3	DUP	S95T002091	0		TGA-03	SOLID	~~25.61~~ 26.16	~~26.16~~ 25.61	12/18/95	%
		4	STD				TGA-03	SOLID	59.74	60.58	N/A	%
95000124	BY-110	5	SAMPLE	S95T002092	0		TGA-03	SOLID	N/A	34.72		%
95000124	BY-110	6	DUP	S95T002092	0		TGA-03	SOLID	34.72	30.77	N/A	%

Final page for worklist # 2431

See attached for signatures

Analyst Signature **Date** 10-12-95

Verified by Blandina Valenzuela 10-20-95

Analyst Signature **Date** 10/18/95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2431

Analyst: HDP **Instrument:** TGA0 _____ **Book #** 65N8-A

Method: LA-560-112 Rev/Mod CO

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2 SAMPLE	S95T002091	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3 DUP	S95T002091	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4 SAMPLE	S95T002092	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5 DUP	S95T002092	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2431

Anthony Pirrotta 10-12-95
Analyst Signature **Date**

Analyst Signature **Date**

Anthony Pirrotta 10-16-95

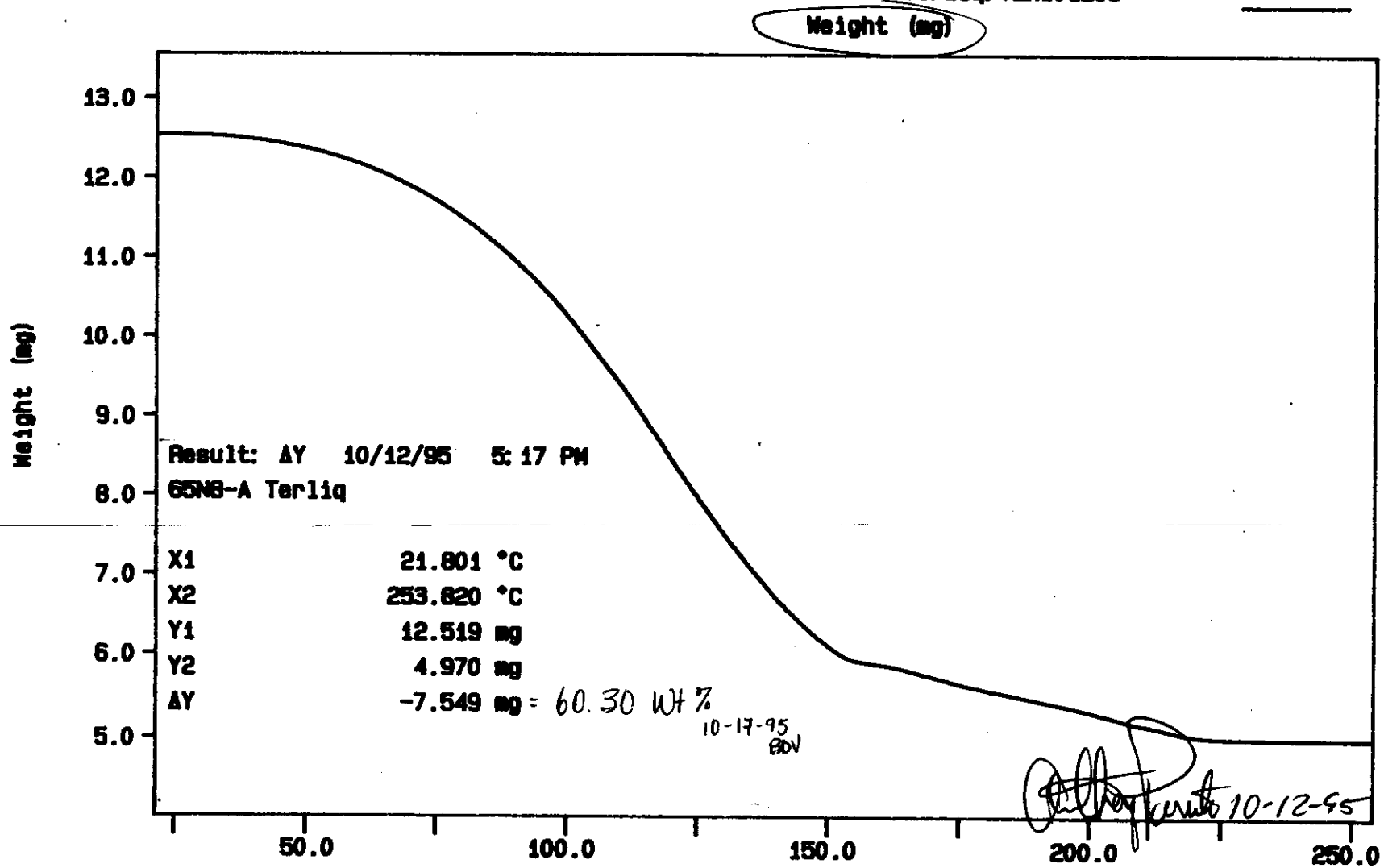
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 655 TO 660.

Curve 1: TGA
File info: TER101203 Thu Oct 12 16:54:42 1995
Sample Weight: 12.522 mg
65N8-A Terliq

BEST AVAILABLE COPY



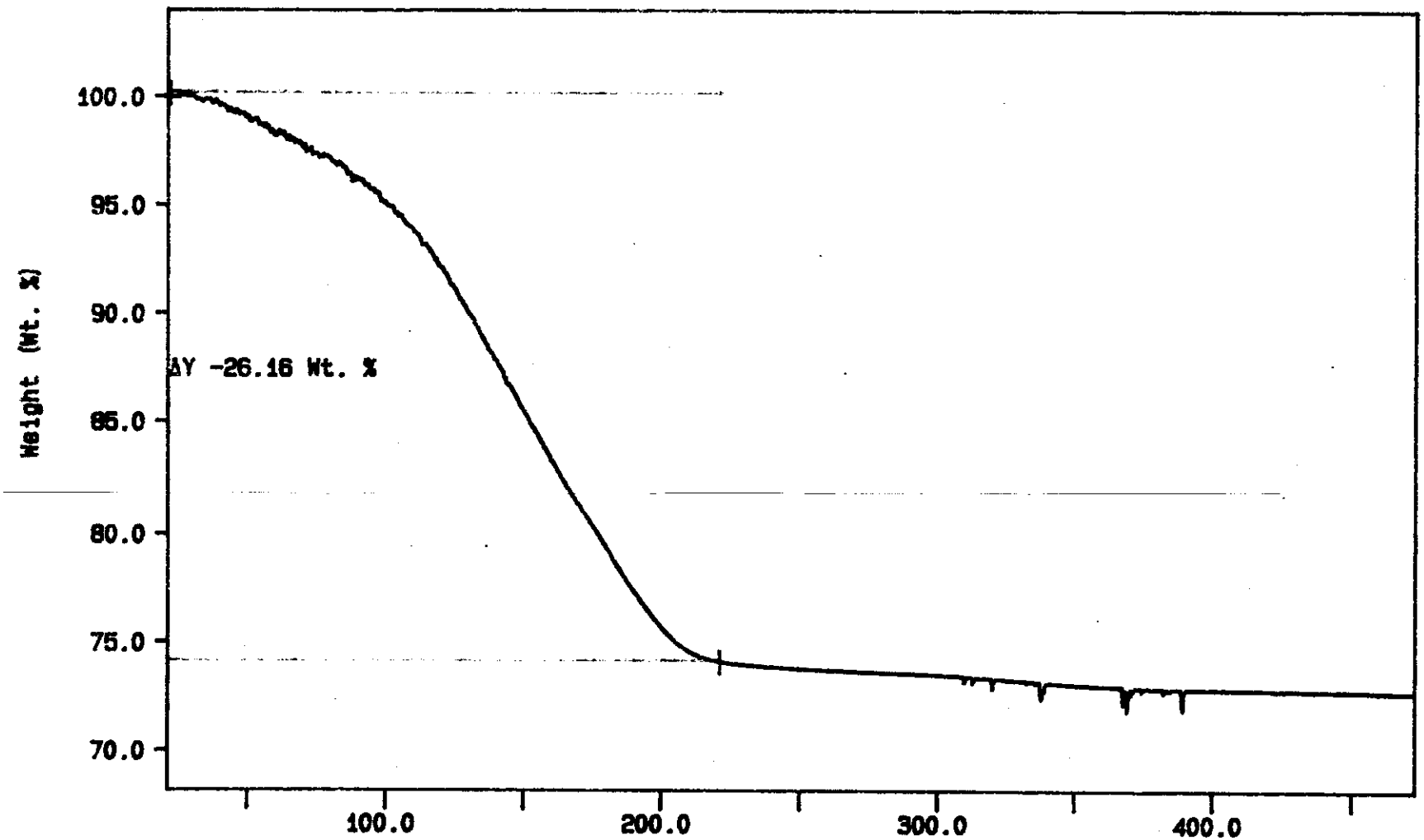
N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 275.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Oct 12 00:[illegible] 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM101205 Thu Oct 12 18:23:28 1995
Sample Weight: 19.301 mg
S95T002091 SAM

BEST AVAILABLE COPY



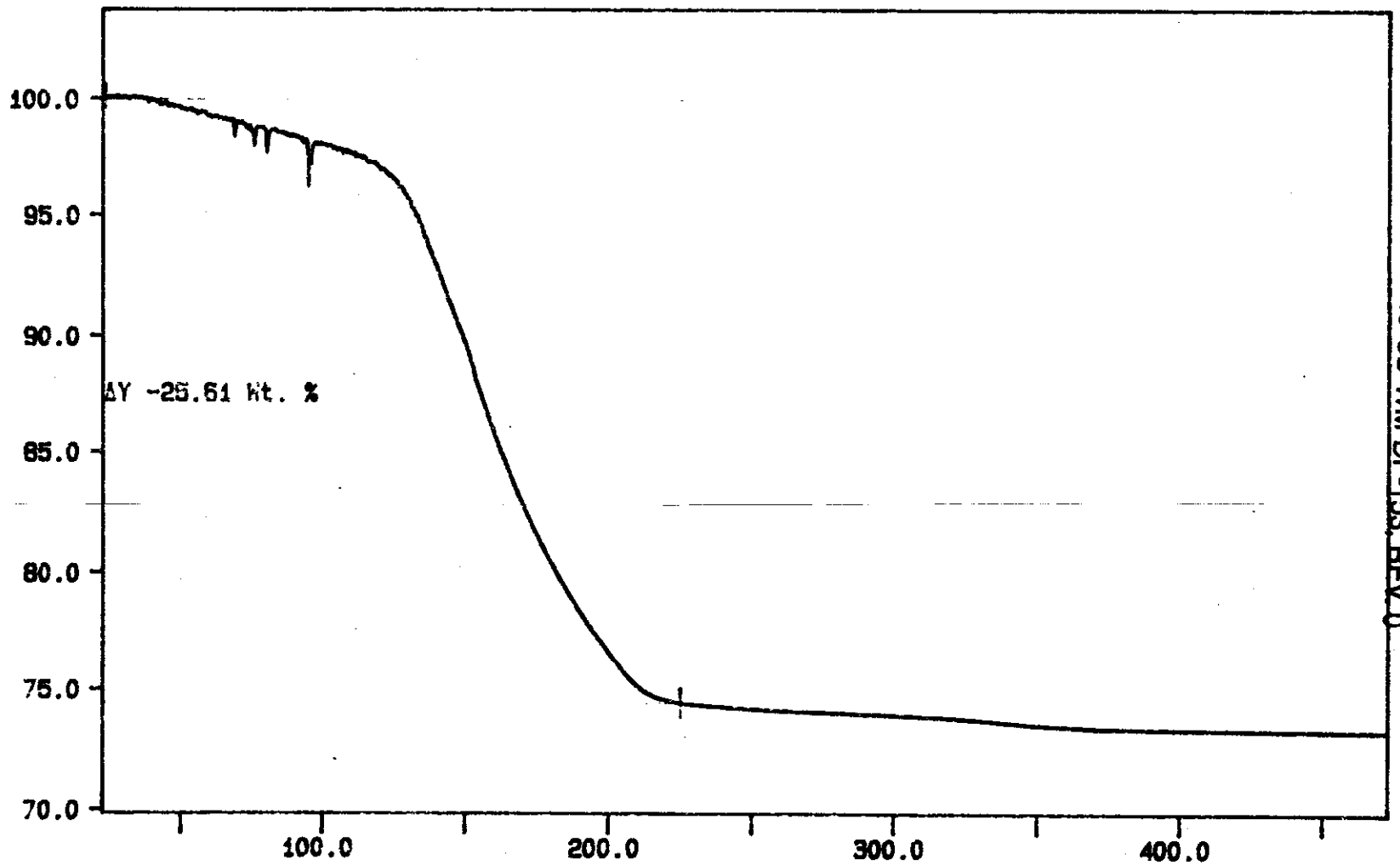
N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 17 09:27:55 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM101206 Thu Oct 12 19:41:34 1995
Sample Weight: 28.060 mg
S951002091 DUP

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

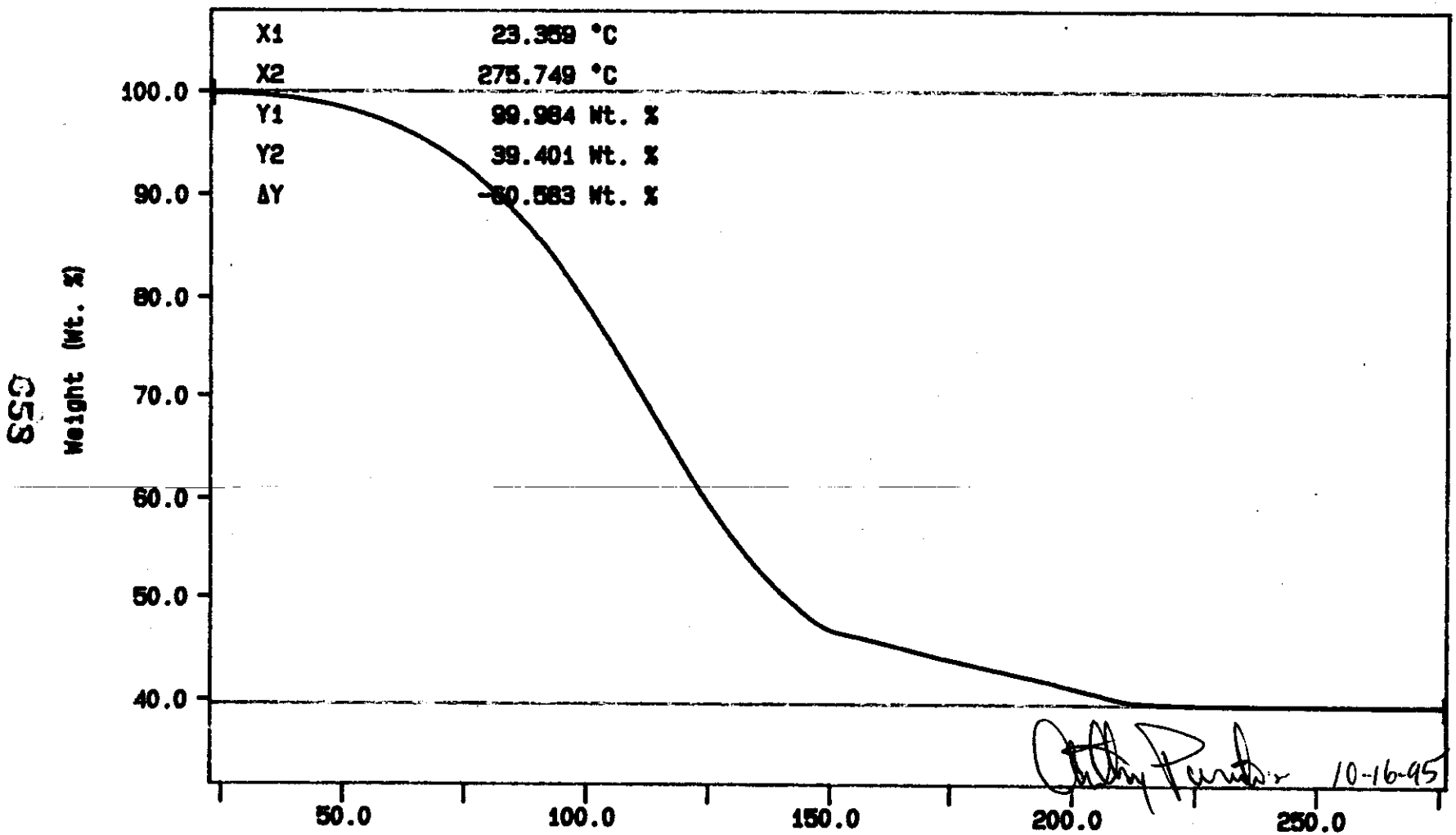
AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 17 09:32:36 1995

C57

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: 101602 Mon Oct 16 16:22:36 1995
Sample Weight: 14.488 mg
65N8-A Terliq

BEST AVAILABLE COPY



N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

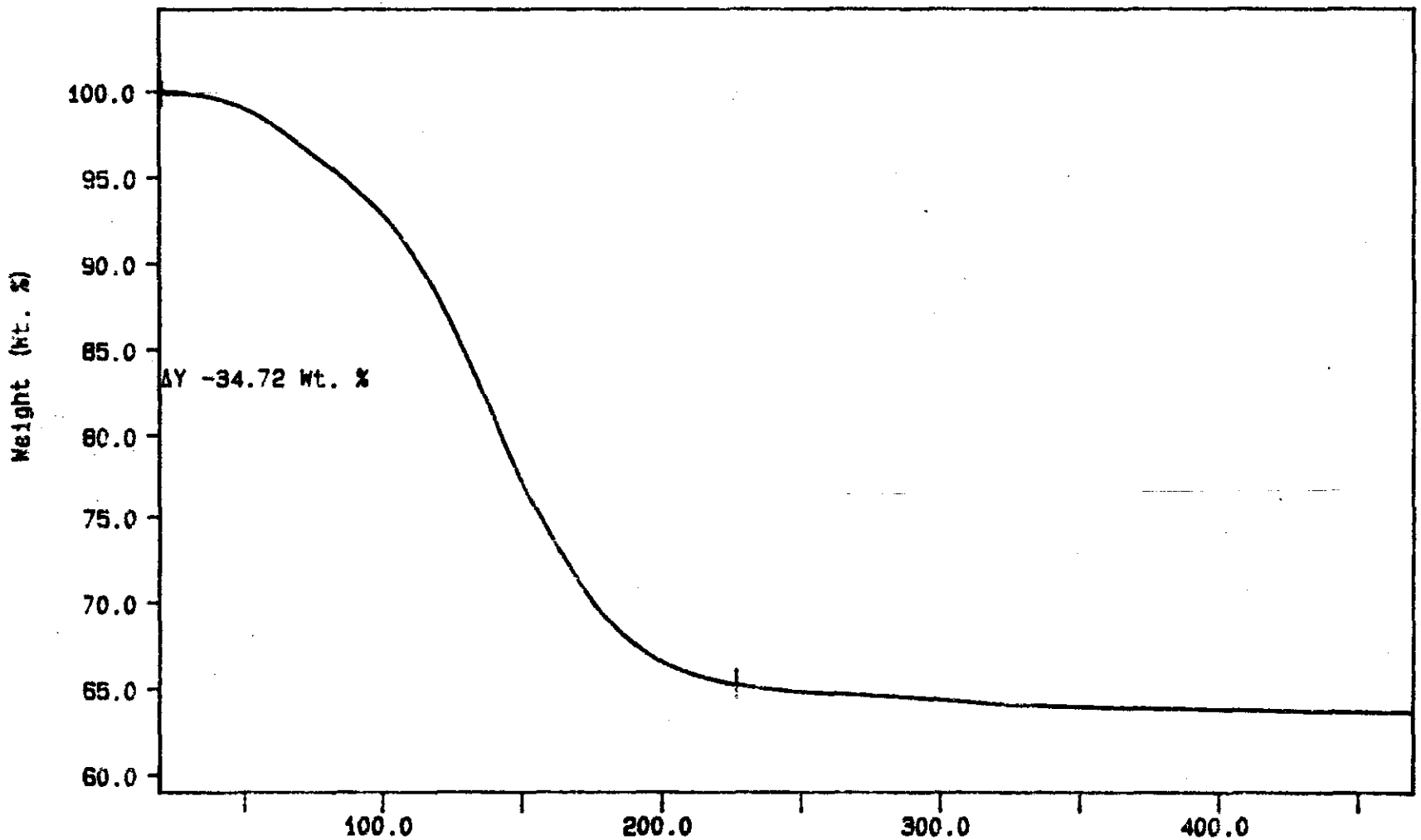
AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 16 16:32:24 1995

WHC-SD-WM-DP-153, REV. 0

C53

Curve 1: TGA
File info: SAM101605 Mon Oct 16 17:55:49 1995
Sample Weight: 17.882 mg
S95T002092 SAM 10C/.MIN

BEST AVAILABLE COPY

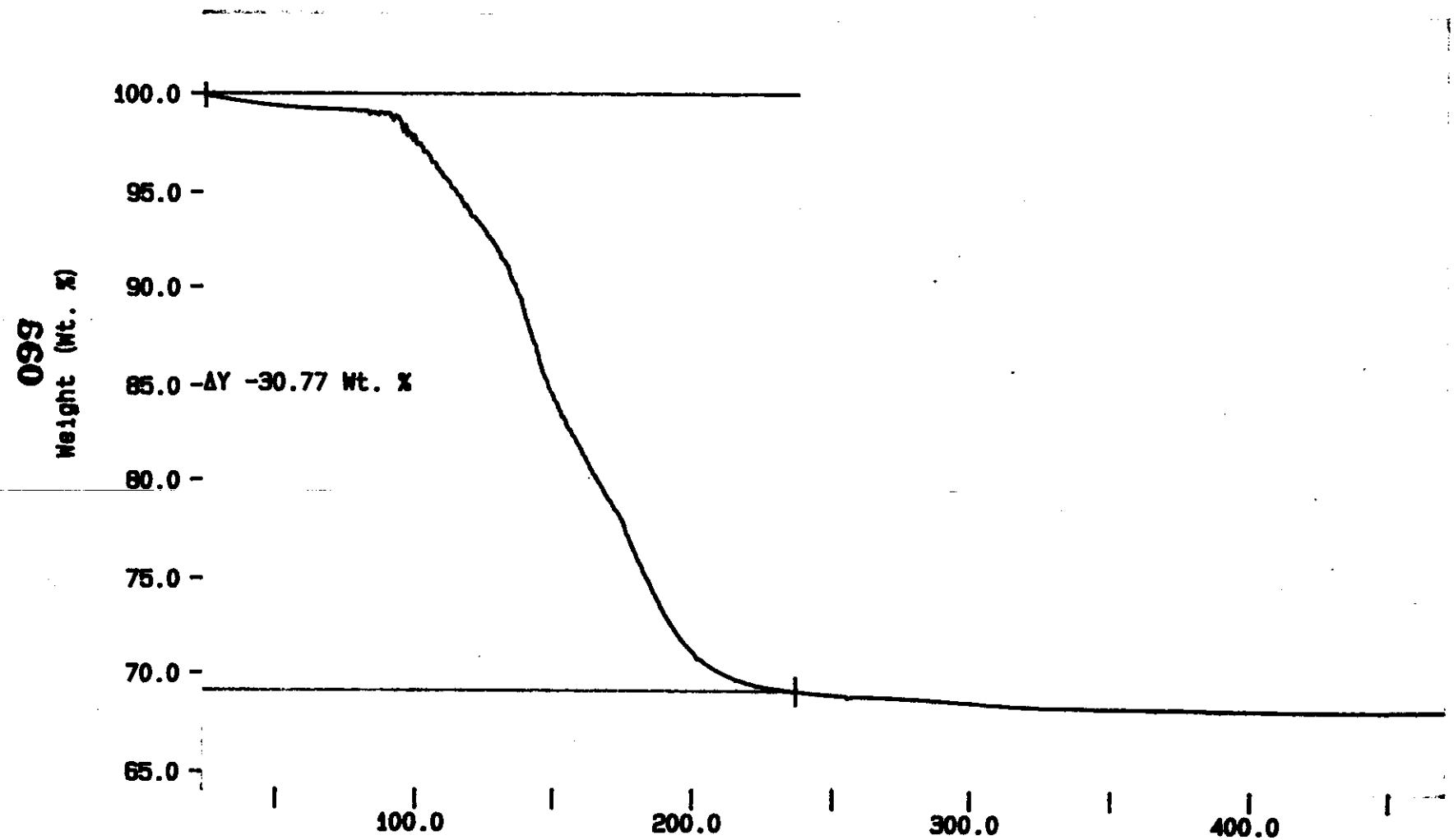


10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 17 09:42:32 1995

Curve 1: TGA
File info: 101606 Mon Oct 16 19:37:59 1995
Sample Weight: 19.073 mg
S95T002092 DUP

BEST AVAILABLE COPY



S60

10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 17 09:53:23 1995

LABCORE Data Entry Template for Worklist# 2432

Analyst: ADP **Instrument:** TGA0 3 **Book #** ~~42N~~ 65N8A 10/31/95

Method: LA-514-114 Rev/Mod C-D

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-03	SOLID	10/31/95 ~~6~~59.74	60.42	N/A	%
95000124	BY-110	2 SAMPLE	S95T002093	0		TGA-03	SOLID	N/A	13.36		%
95000124	BY-110	3 DUP	S95T002093	0		TGA-03	SOLID	13.36	.701	N/A	%
95000124	BY-110	4 SAMPLE	S95T002094	0		TGA-03	SOLID	N/A	29.69		%
95000124	BY-110	5 DUP	S95T002094	0		TGA-03	SOLID	29.69	33.98	N/A	%

Final page for worklist # 2432

See attached for signatures
Analyst Signature **Date** 10/31/95

Verified by Blandina Valenzuela
11-8-95

[signature] 11-1-95
Analyst Signature **Date**

Data Entry Comments: S95T002093 produced a second weight loss step of 16.74 Wt %

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2432

Analyst: HP **Instrument:** TGA0 **Book #** 42N8A

Method: LA-560-112 Rev/Mod B0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2	SAMPLE	S95T002093	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3	DUP	S95T002093	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4	SAMPLE	S95T002094	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5	DUP	S95T002094	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2432

Cathy Parrish 10-10-95

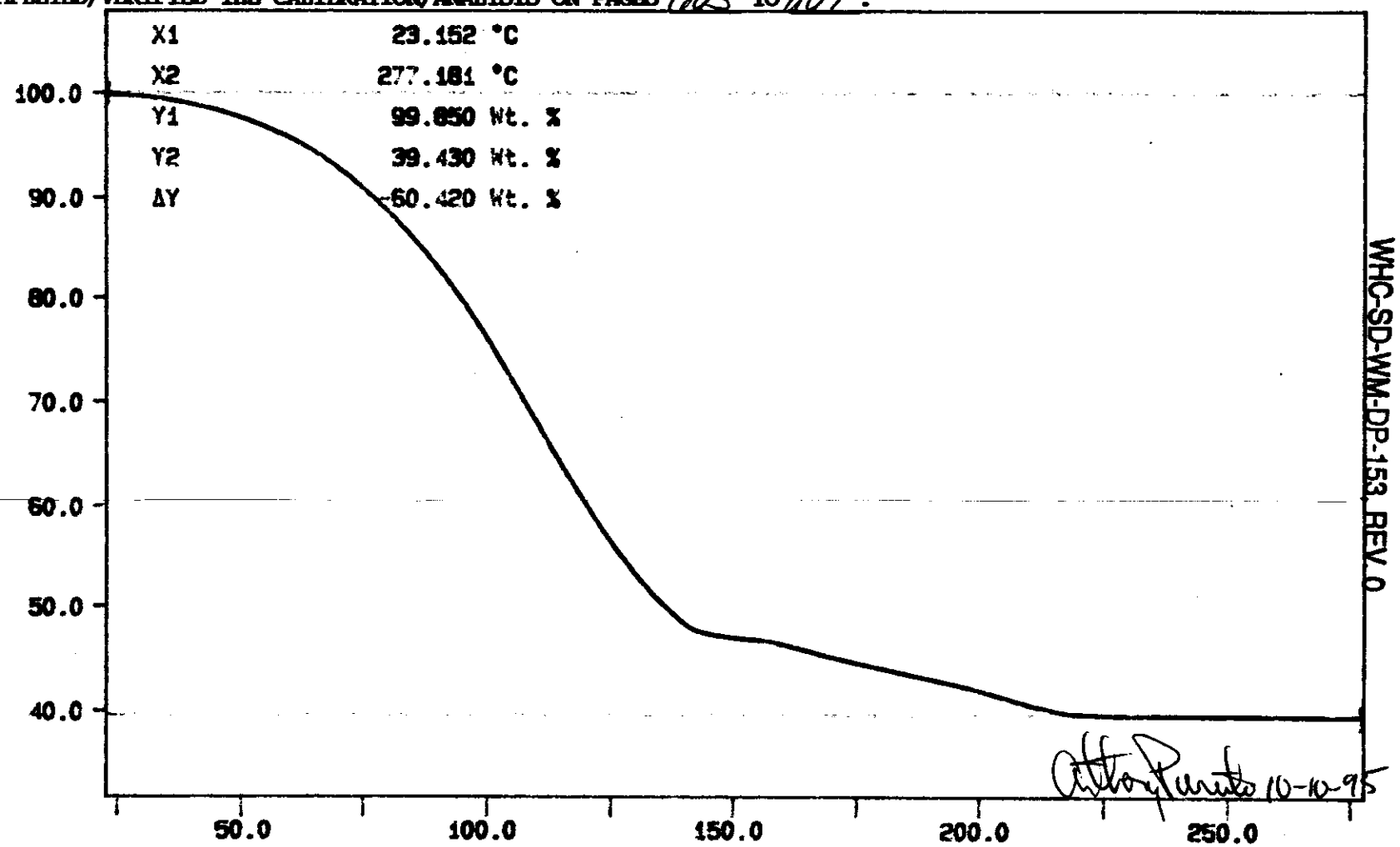
Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER101005 Tue Oct 10 09:45:06 1995
Sample Weight: 8.733 mg
85N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 663 TO 667.



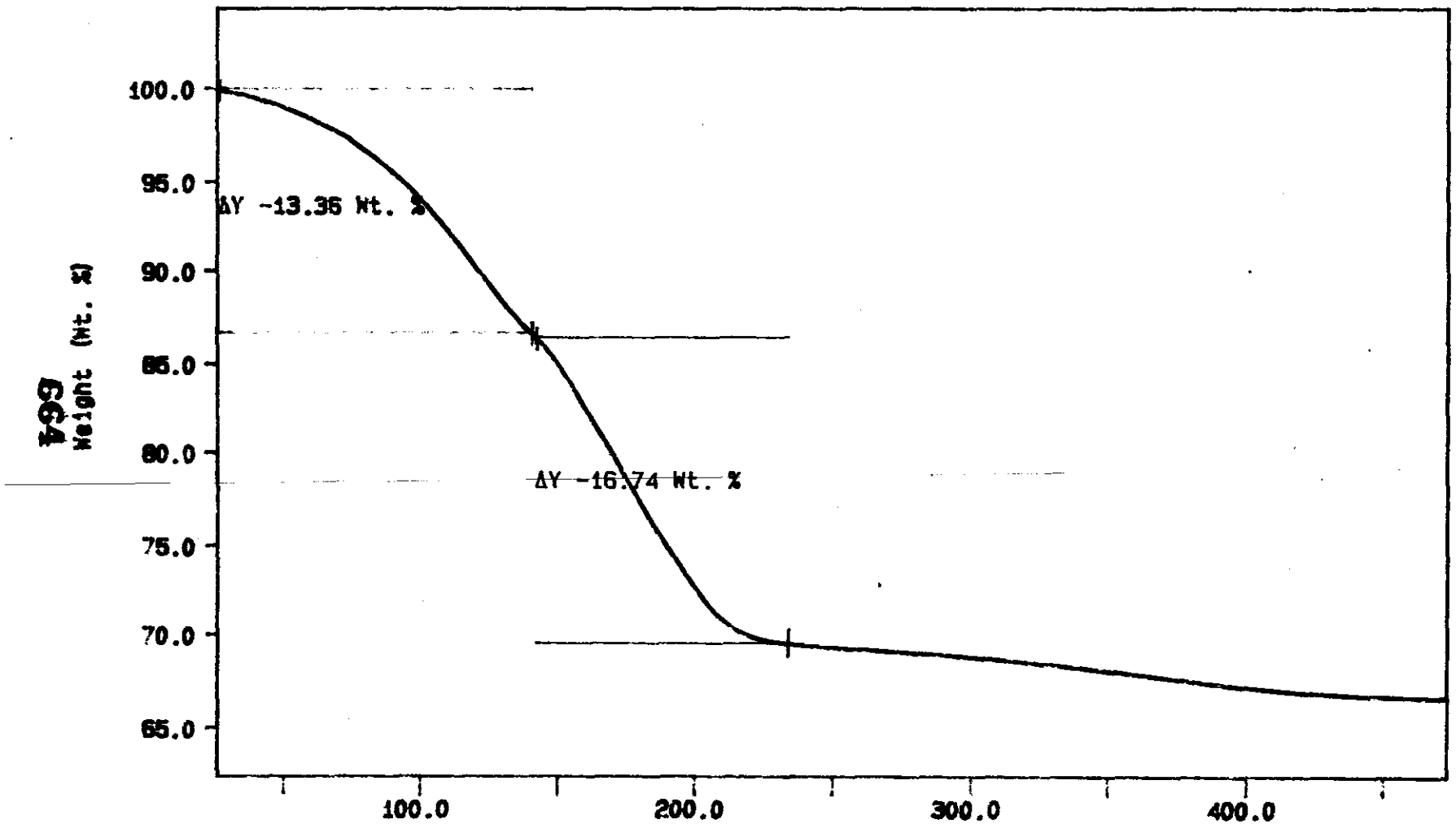
Anthony Pinto 10-10-95

N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURIONTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 10:15:06 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM101003 Tue Oct 10 11:40:05 1995
Sample Weight: 20.834 mg
S95T0022093 SAM
2093

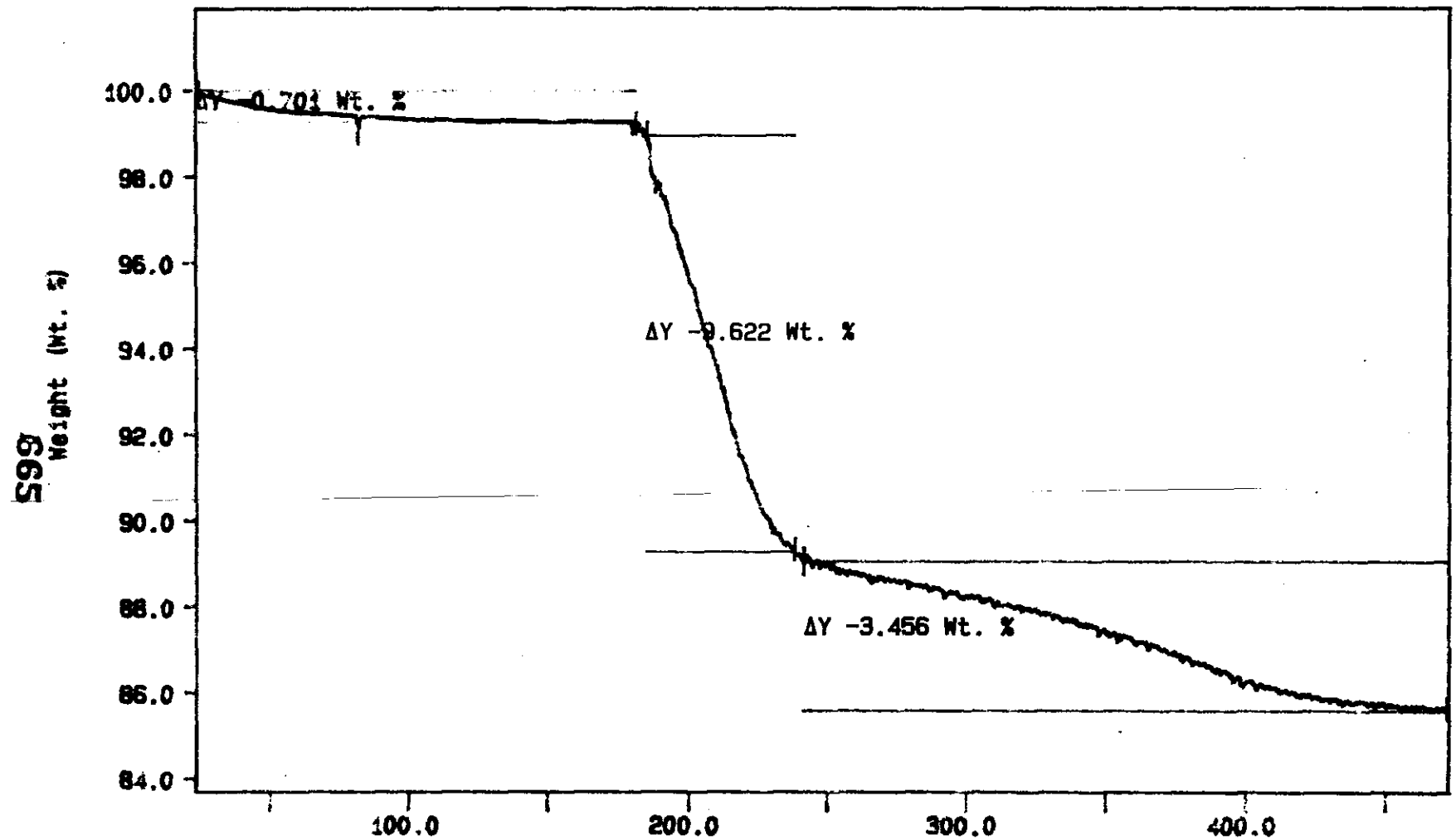


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 12:05:52 1995

C64

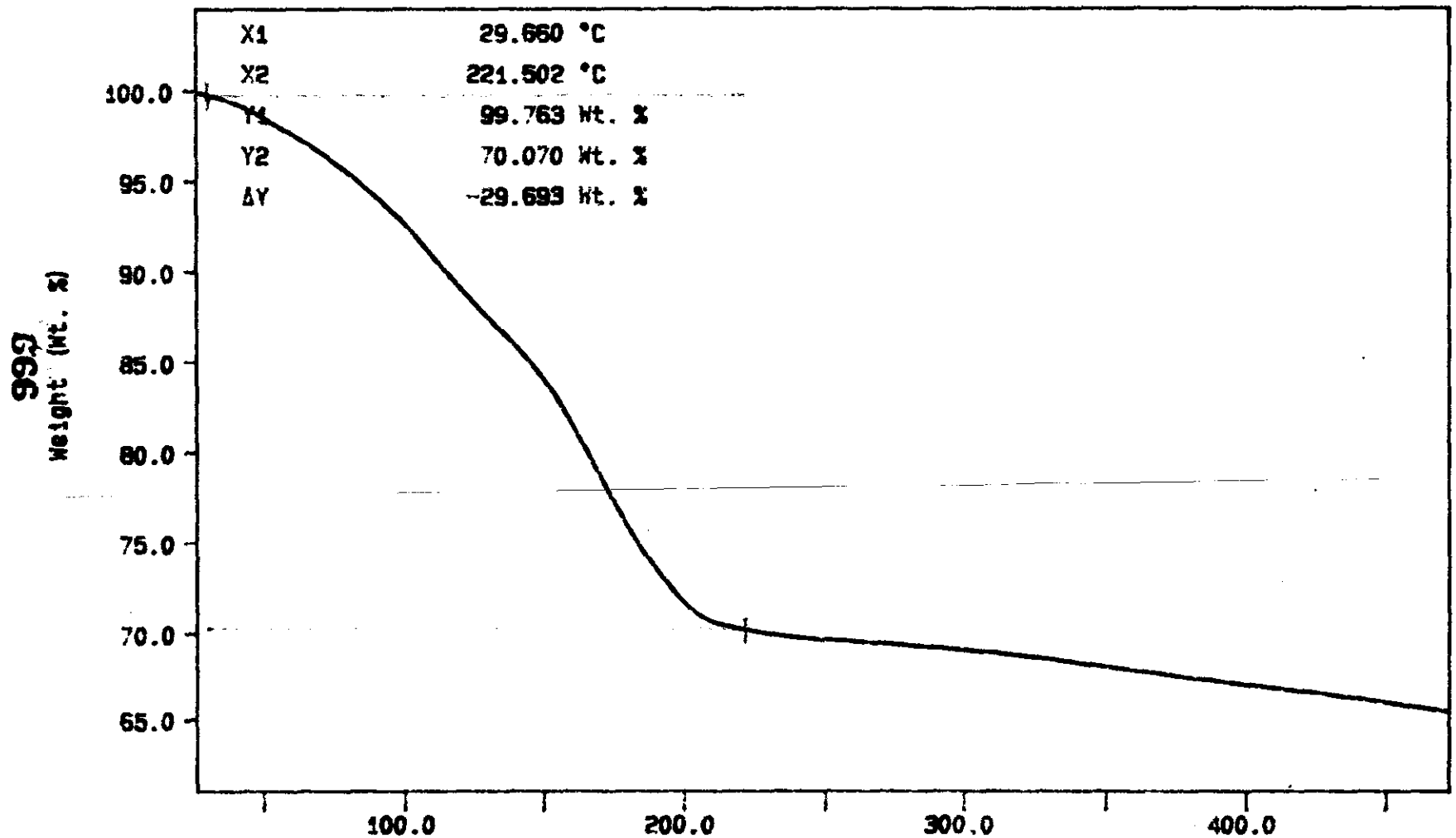
Curve 1: TGA
File info: SAN101004 Tue Oct 10 12:58:00 1995
Sample Weight: 23.838 mg
S95T002093 DUP



N2
TEMP1: 28.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 13:34:13 1995

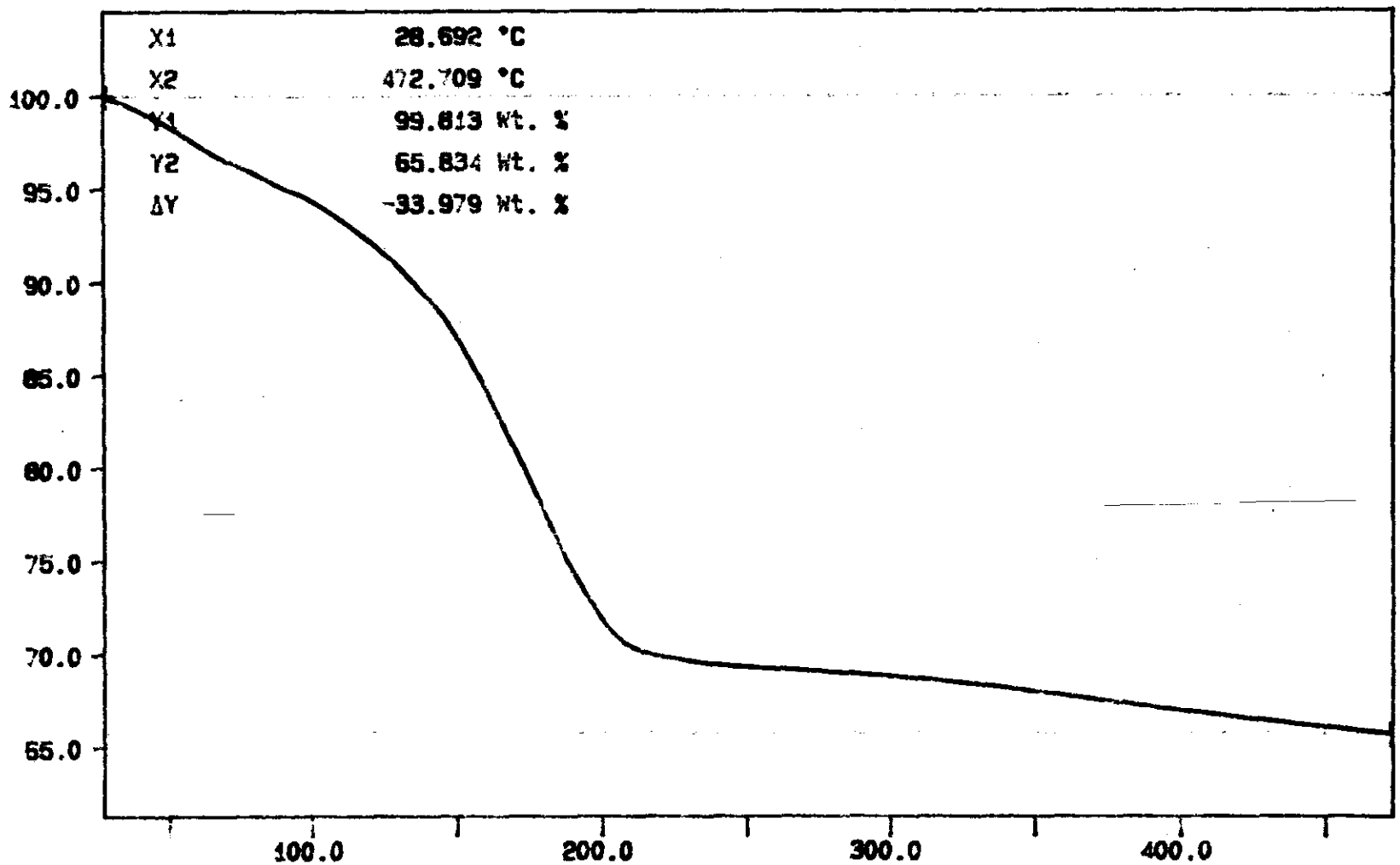
Curve 1: TGA
File info: 101005 Tue Oct 10 14:44:02 1995
Sample Weight: 17.049 mg
S95T002094 SAM



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 14:45:12 1995

Curve 1: TGA
File info: SAM101005 Tue Oct 10 15:52:42 1995
Sample Weight: 19.179 mg
S95T002094 DUP



N2
TEMP1: 30.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 19:58:57 1995

LABCORE Data Entry Template for Worklist# 2433

Analyst: PJM **Instrument:** TGA0 X3 10-11-95 BDV **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	59.98	N/A	%
95000124	BY-110	2	SAMPLE	S95T002095	0		TGA-01	SOLID	N/A	29.22		%
95000124	BY-110	3	DUP	S95T002095	0		TGA-01	SOLID	29.22	30.83	N/A	%
		4	STD				TGA-03	SOLID	59.74	60.52	N/A	%
95000124	BY-110	5	SAMPLE	S95T002096	0		TGA-03	SOLID	N/A	31.21		%
95000124	BY-110	6	DUP	S95T002096	0		TGA-03	SOLID	31.21	30.02	N/A	%

Final page for worklist # 2433

See attached for signatures 10-10-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

[signature] 10-18-95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2433

Analyst: BMcCown **Instrument:** TGA0 _____ **Book #** 6508A

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2	SAMPLE	S95T002095	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3	DUP	S95T002095	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4	SAMPLE	S95T002096	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5	DUP	S95T002096	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2433

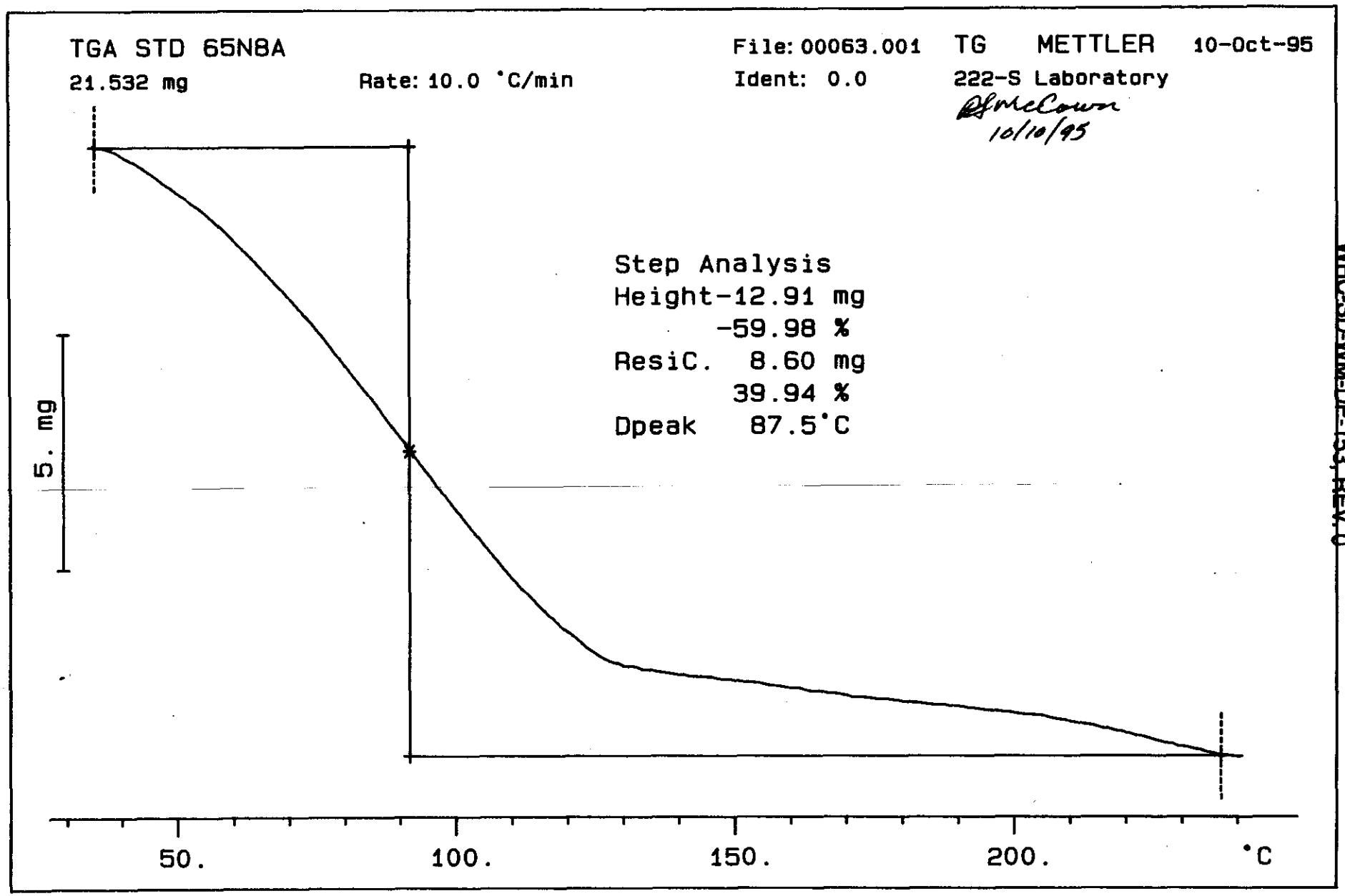
BMcCown 10/10/95
Analyst Signature **Date**

Analyst Signature **Date**

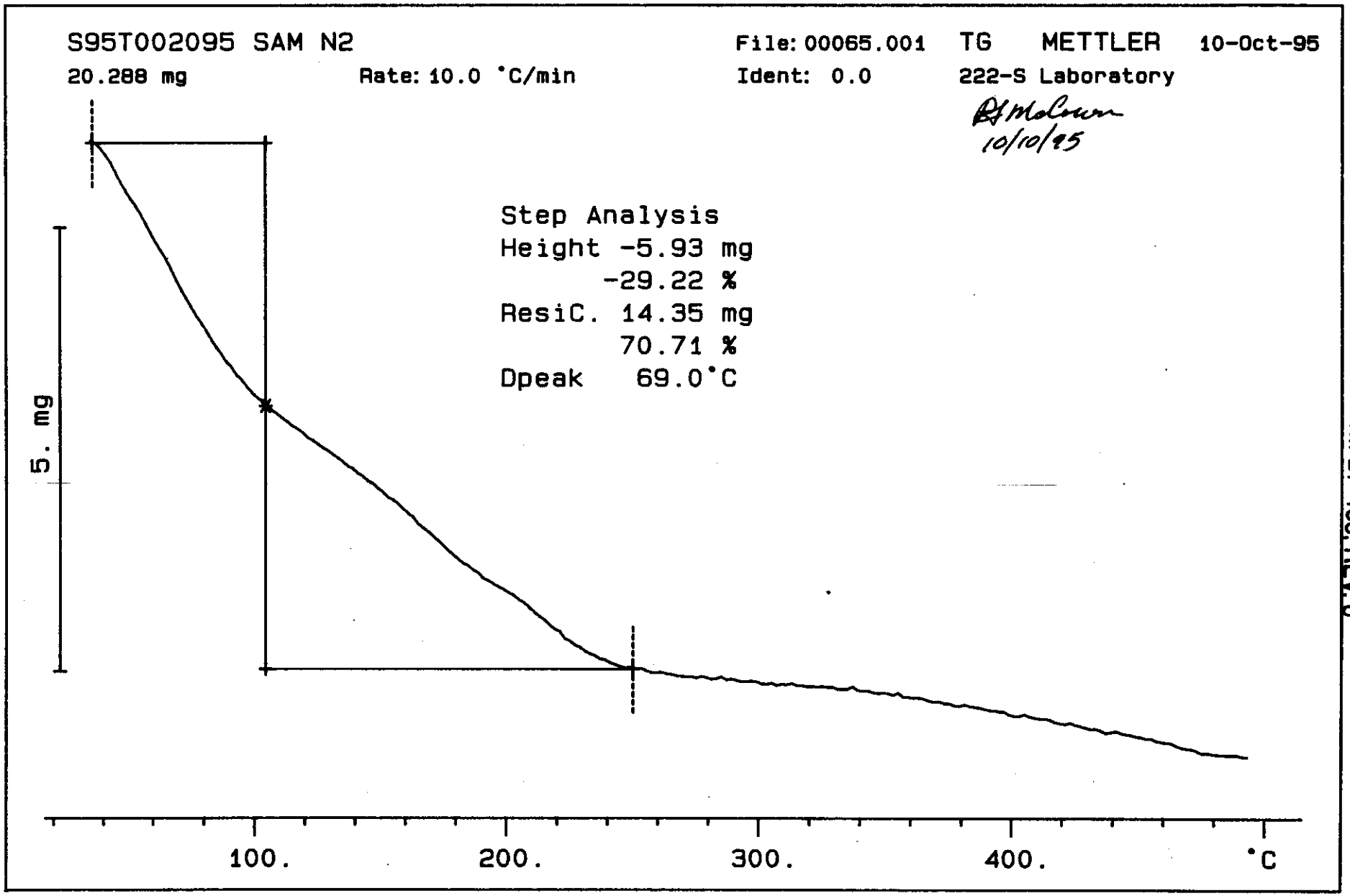
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

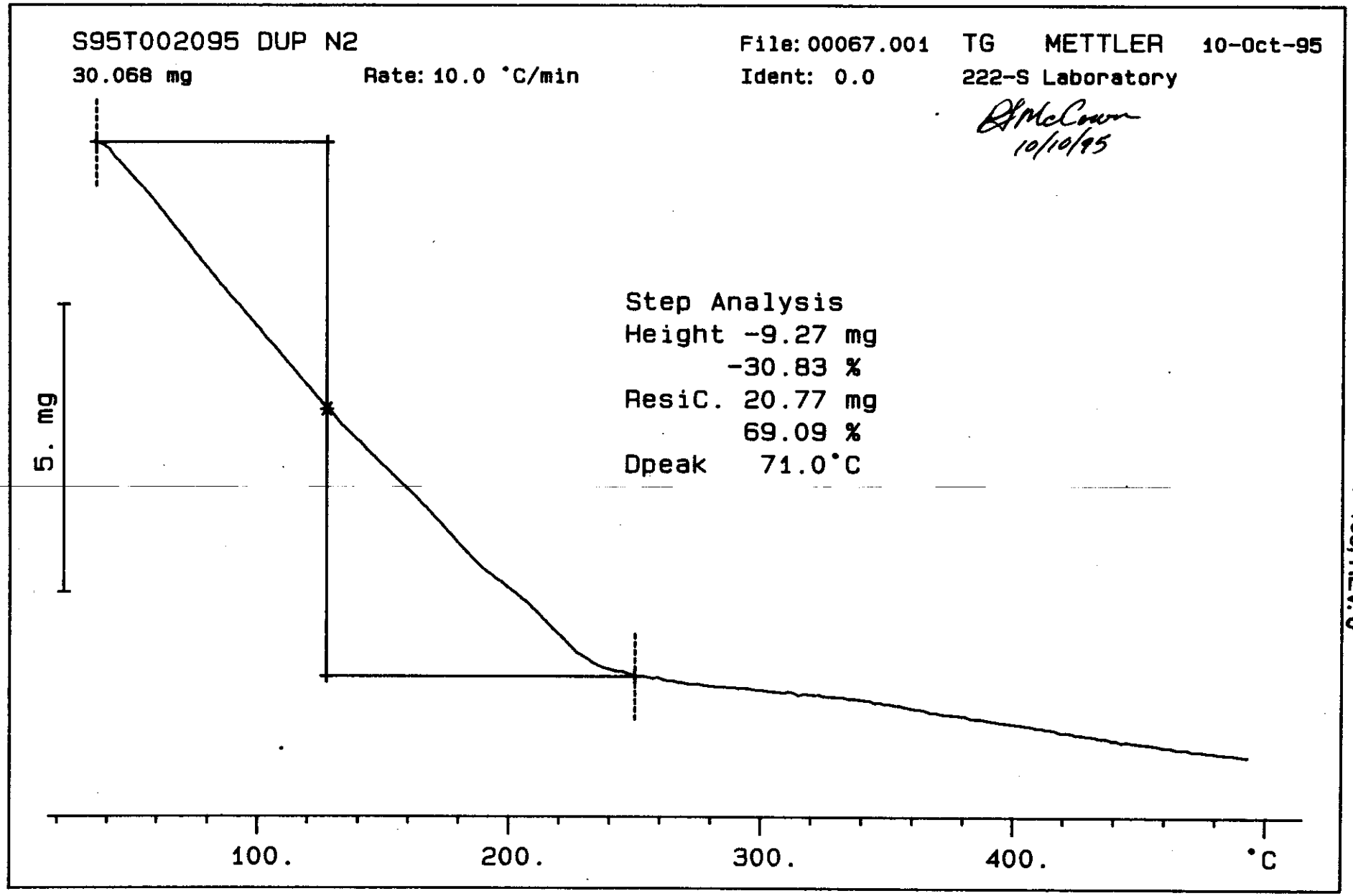
BEST AVAILABLE COPY



BEST AVAILABLE COPY

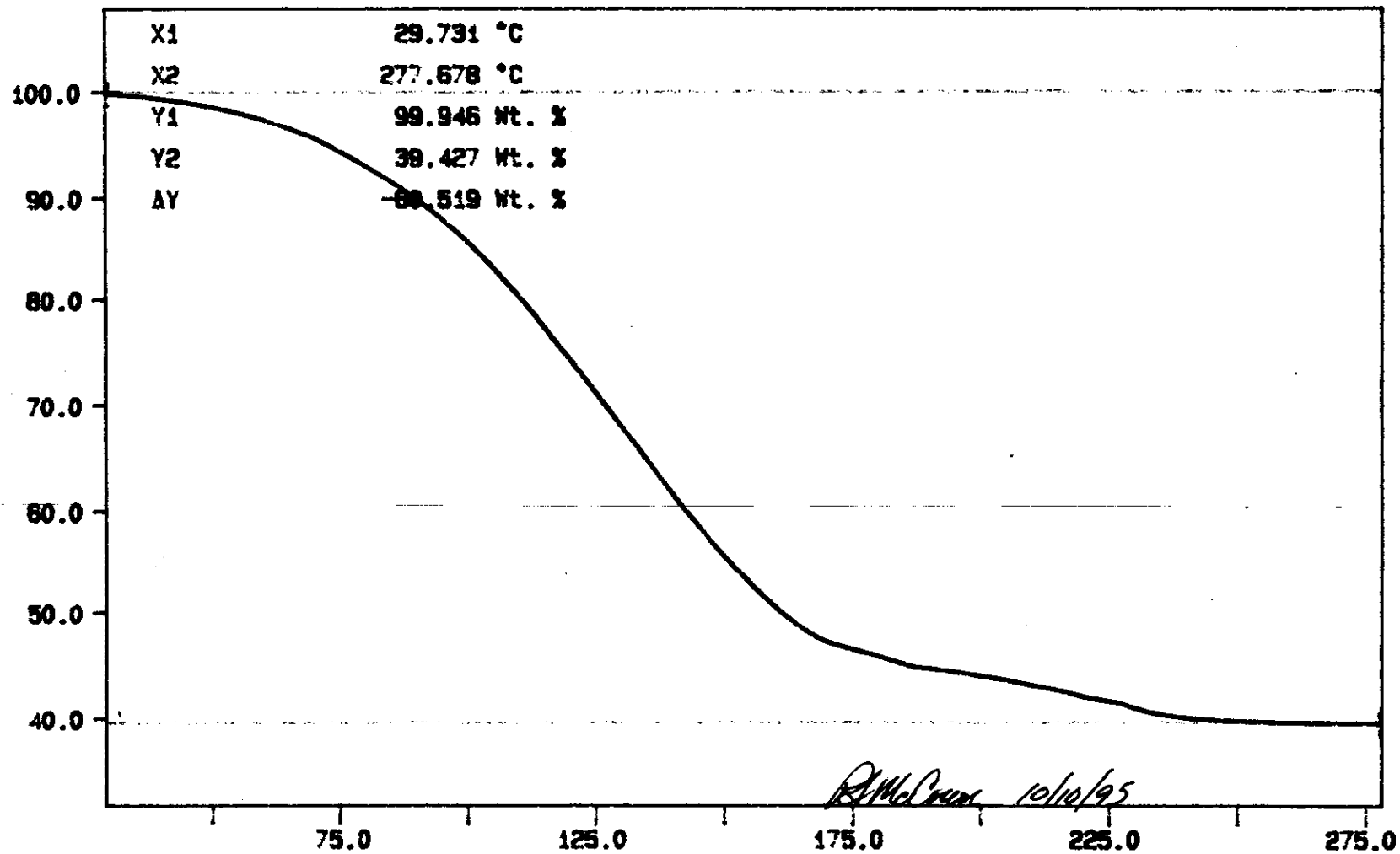


BEST AVAILABLE COPY



Curve 1: TGA
File info: TER101001 Tue Oct 10 01:29:10 1995
Sample Weight: 18.063 mg
65NB-A Terliq

BEST AVAILABLE COPY

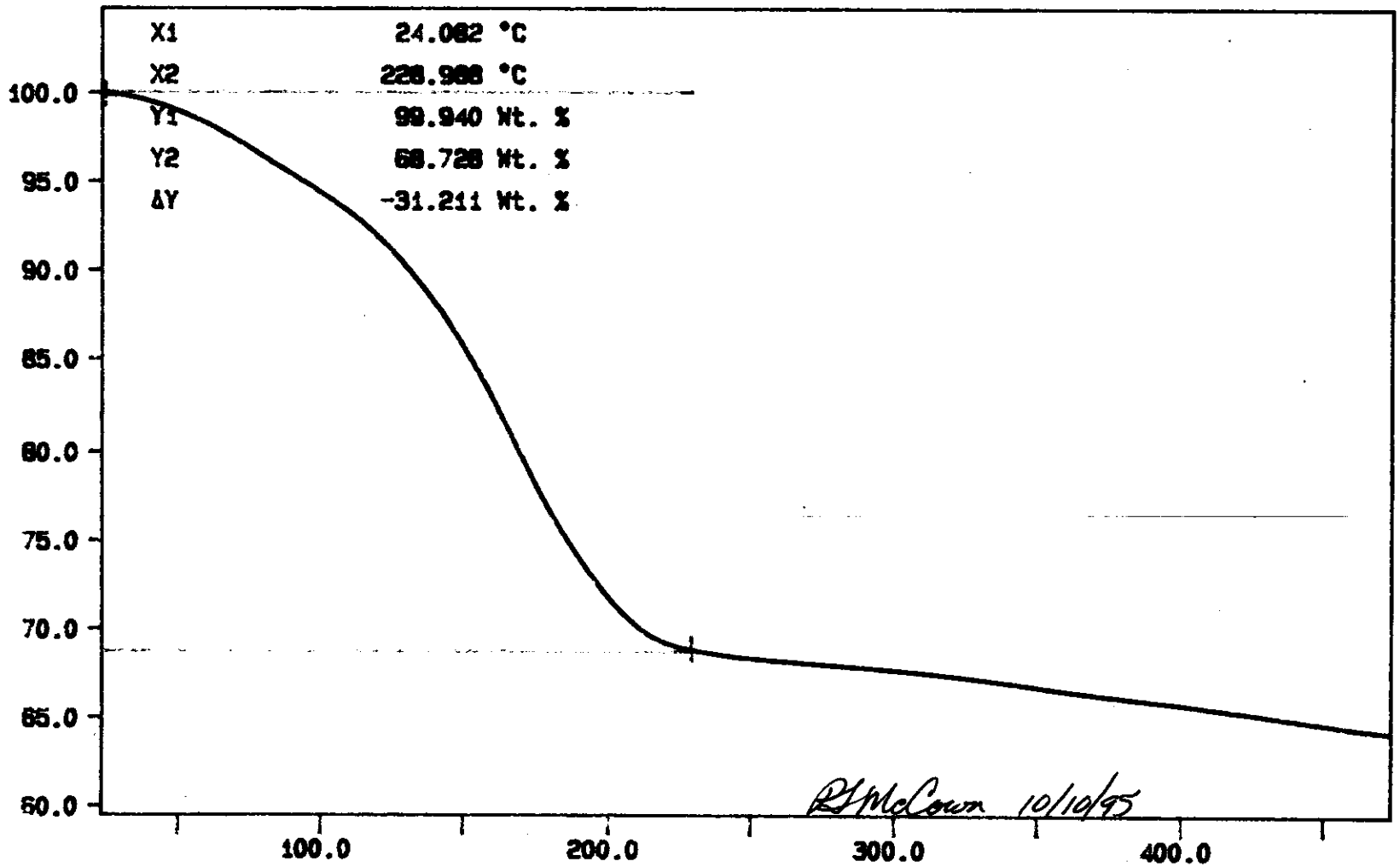


N2 10C/MIN
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 350.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 01:32:28 1995

Curve 1: TGA
File info: SAM101001 Tue Oct 10 02:45:30 1995
Sample Weight: 20.909 mg
S95T002096

BEST AVAILABLE COPY



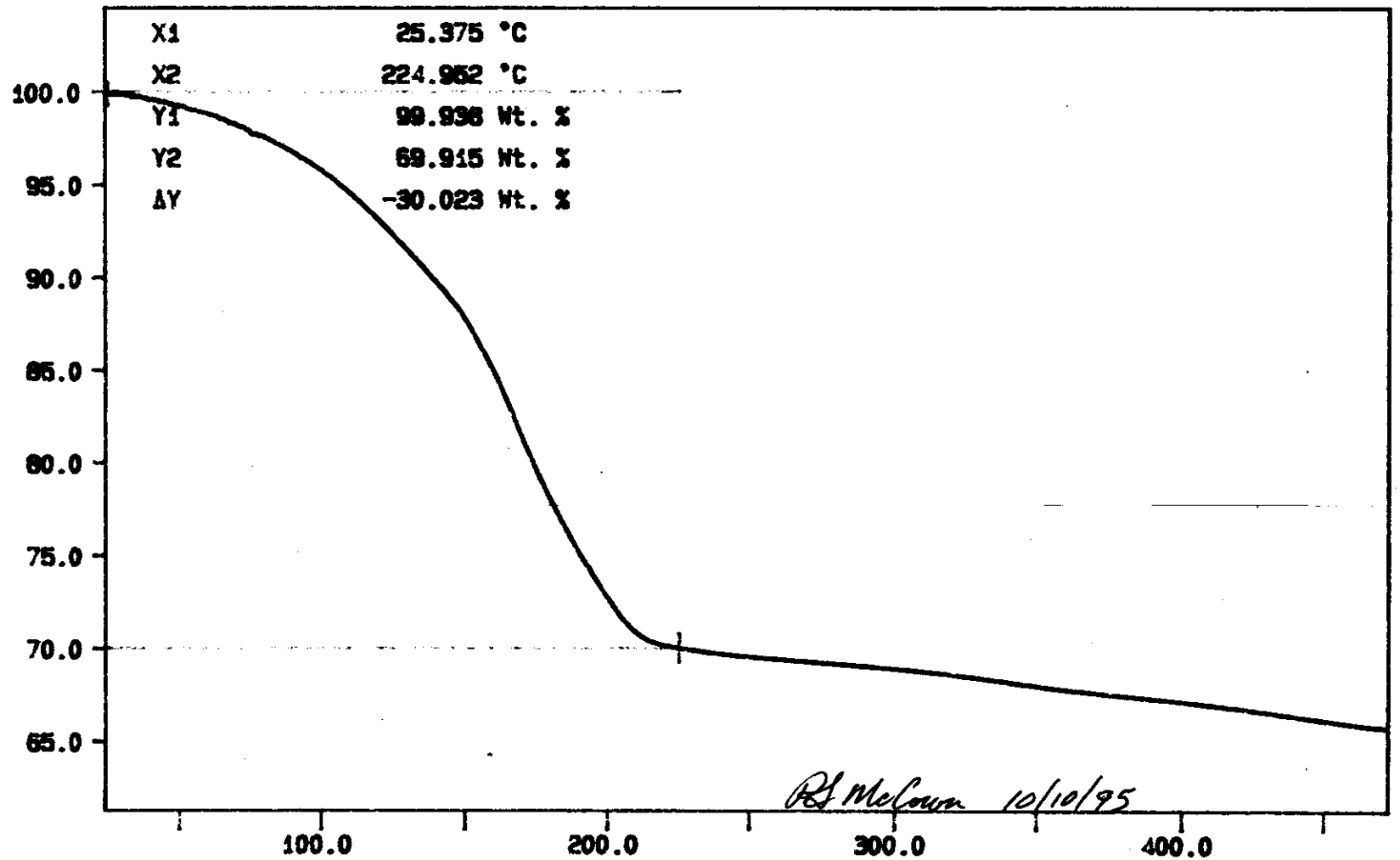
N2
TEMP1: 30.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 02:49:00 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: T6A
File info: SAM101002 Tue Oct 10 04:11:19 1995
Sample Weight: 26.725 mg
S95T002096 DUP

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 10 05:02:02 1995

LABCORE Data Entry Template for Worklist# 2434

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD			TGA-03	SOLID	59.74	60.22	N/A	%
95000124	BY-110	2 SAMPLE	S95T002097	0	TGA-03	SOLID	N/A	29.55		%
95000124	BY-110	3 DUP	S95T002097	0	TGA-03	SOLID	29.55	30.65	N/A	%

Final page for worklist # 2434

See attached for signatures
Analyst Signature **Date** 10-4-95

Verified by Blandina Valenzuela 10-10-95

Analyst Signature **Date** 10-9-95

Data Entry Comments: Sample continued to slowly lose weight after 215°C. until 500°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2434

Analyst: _____ **Instrument:** TGA0 _____ **Book #** _____

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2	SAMPLE	S95T002097	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3	DUP	S95T002097	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2434

JAh Sph - 10-4-95

Analyst Signature **Date** **Analyst Signature** **Date**

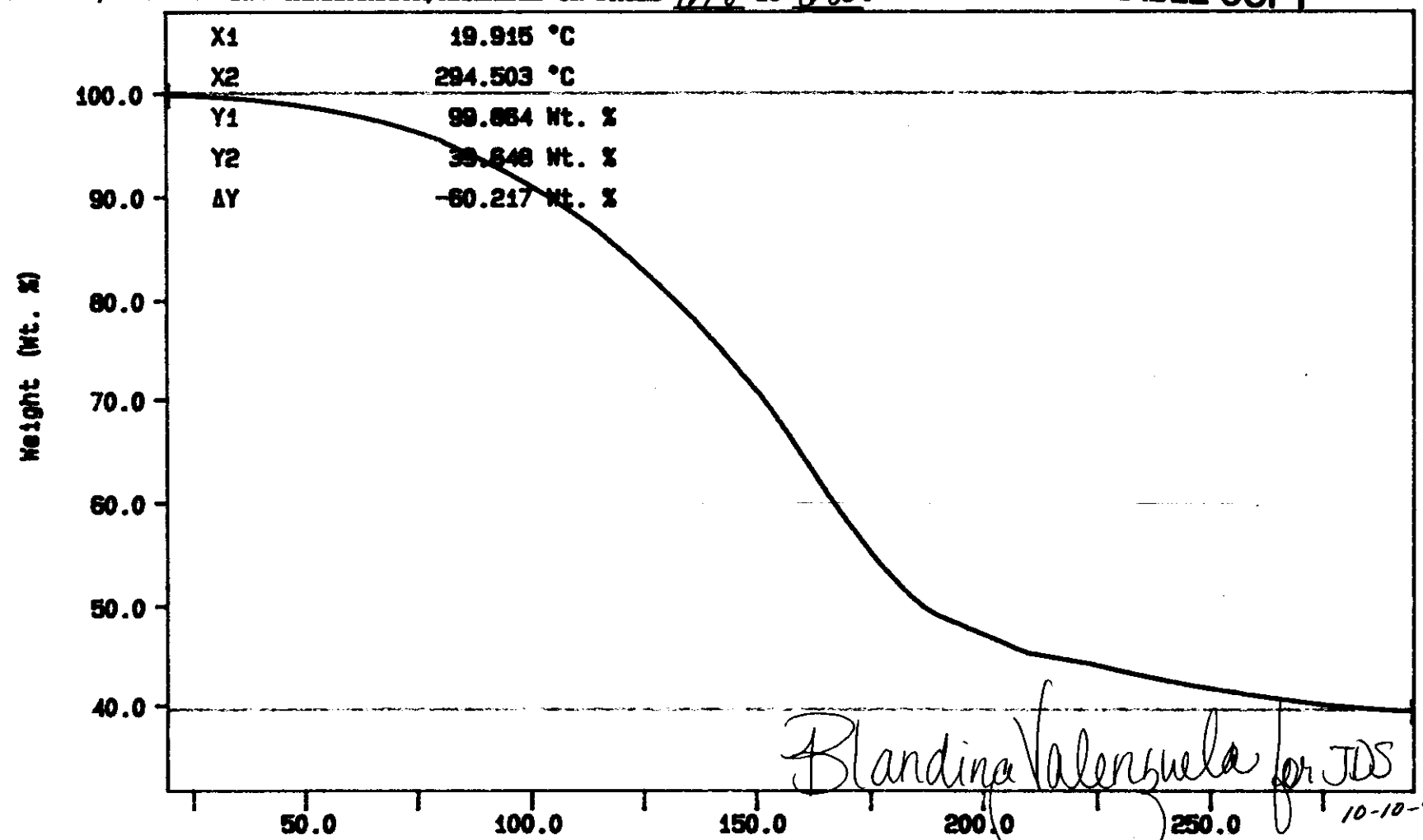
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER100402 Wed Oct 4 08:08:50 1995
Sample Weight: 18.696 mg
66N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 678 TO 680.

BEST AVAILABLE COPY



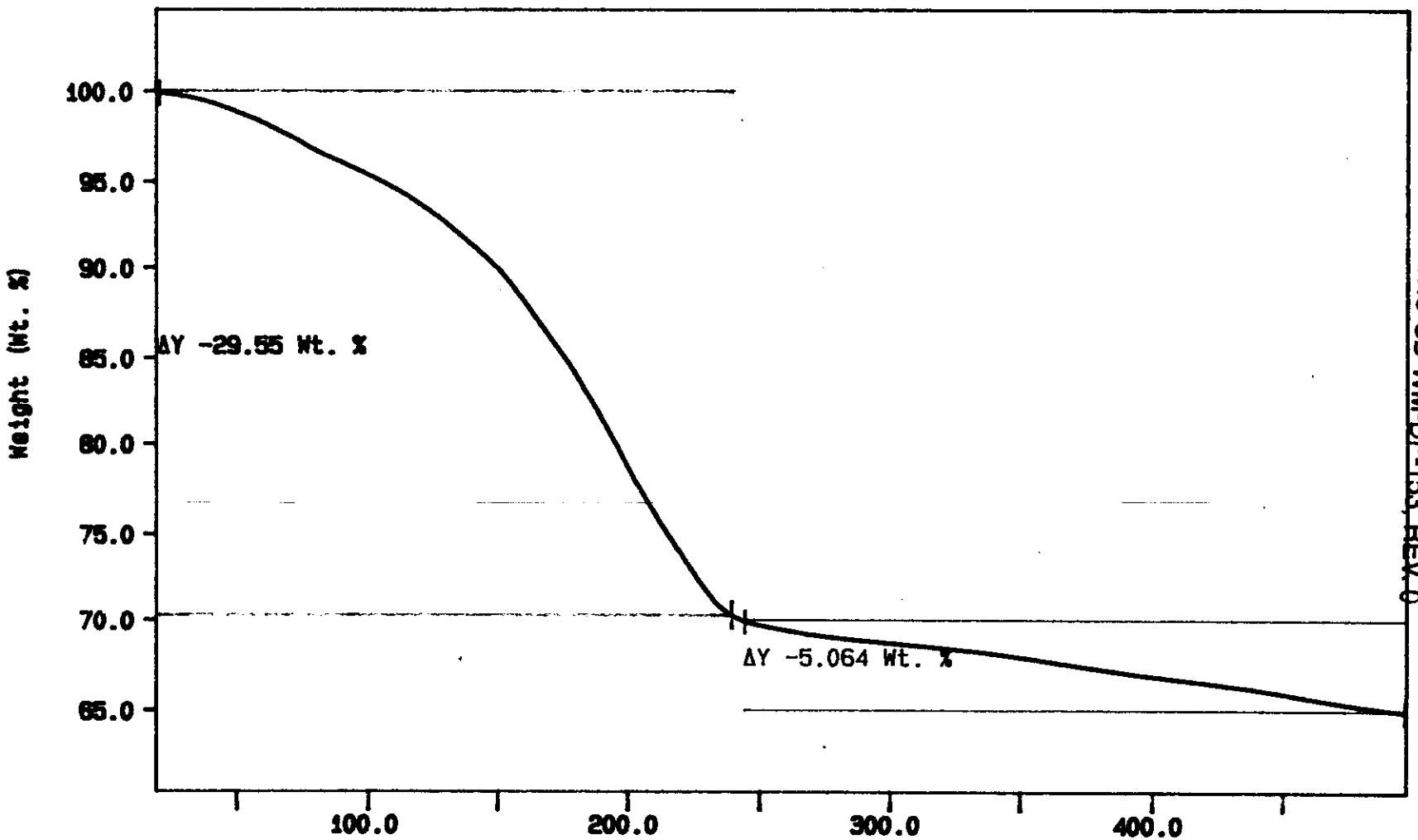
Blandina Valenzuela for JDS 10-10-95

N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 14:15:07 1995

Curve 1: TGA
File info: SAM100405 Wed Oct 4 13:30:18 1995
Sample Weight: 20.016 mg
S95T002097

BEST AVAILABLE COPY



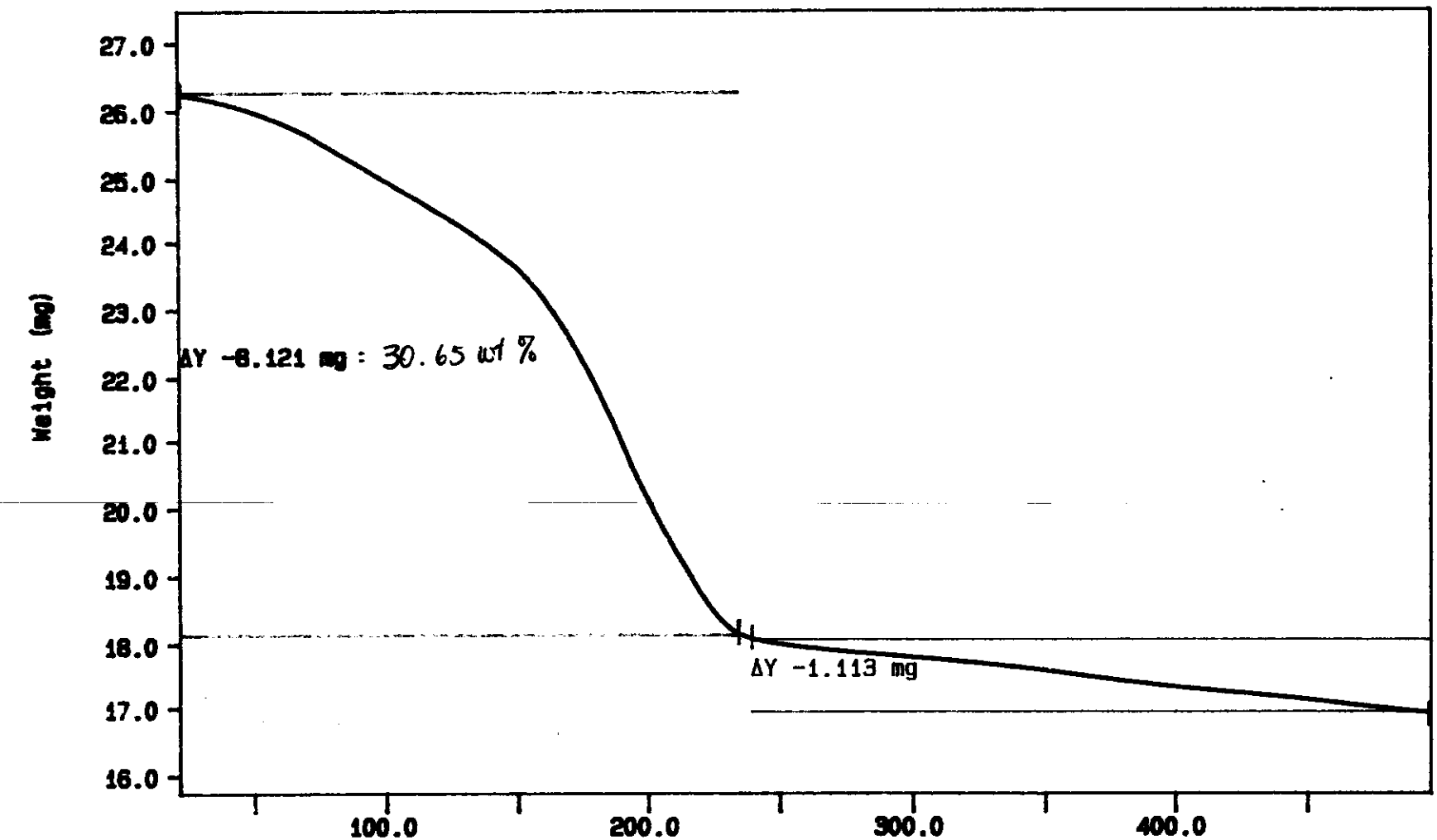
N2
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 13:31:52 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM100406 Wed Oct 4 14:44:48 1995
Sample Weight: 26.496 mg
S95T2097 DUP

BEST AVAILABLE COPY



N2
TEMP: 25.0 C TIME: 0.0 min RATE: 10.0 C/min

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 16:50:47 1995

080

LABCORE Data Entry Template for Worklist# 2435

Analyst: RDM **Instrument:** TGA0 1 **Book #** 65N8-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.53	N/A	%
95000123	BY-110	2	SAMPLE	S95T001929	0		TGA-01	SOLID	N/A	15.33		%
95000123	BY-110	3	DUP	S95T001929	0		TGA-01	SOLID	15.33	16.18	N/A	%
		4	STD				TGA-01	SOLID	59.74	59.42	N/A	%
95000124	BY-110	5	SAMPLE	S95T001950	0		TGA-01	SOLID	N/A	24.10		%
95000124	BY-110	6	DUP	S95T001950	0		TGA-01	SOLID	24.10	26.43	N/A	%

Final page for worklist # 2435

See attached for signatures
Analyst Signature **Date** 10-18-95

Verified by Blandina Valenzuela 10-18-95

Analyst Signature **Date** 10-12-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2435

Analyst: RDM **Instrument:** TGA0 **Book #** 65NB-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000123	BY-110	2	SAMPLE	S95T001929	0		TGA-01	SOLID	N/A			%
95000123	BY-110	3	DUP	S95T001929	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4	SAMPLE	S95T001950	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5	DUP	S95T001950	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2435

R Dreyer 10/10/95
Analyst Signature **Date**

Rae Ann Green 10/11/95

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 683 TO 688.

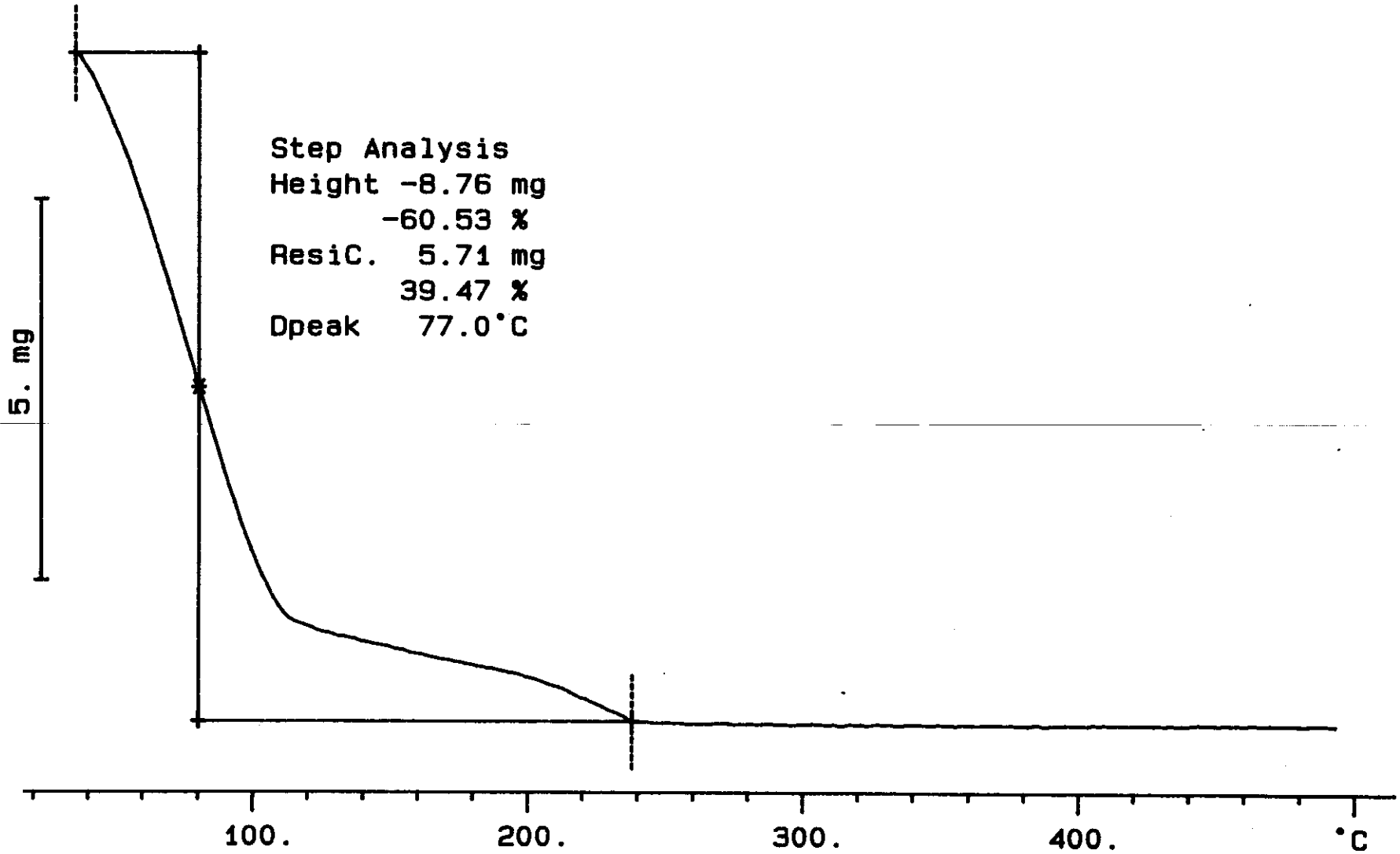
TGA STD 65N8-A

14.471 mg

Rate: 10.0 °C/min

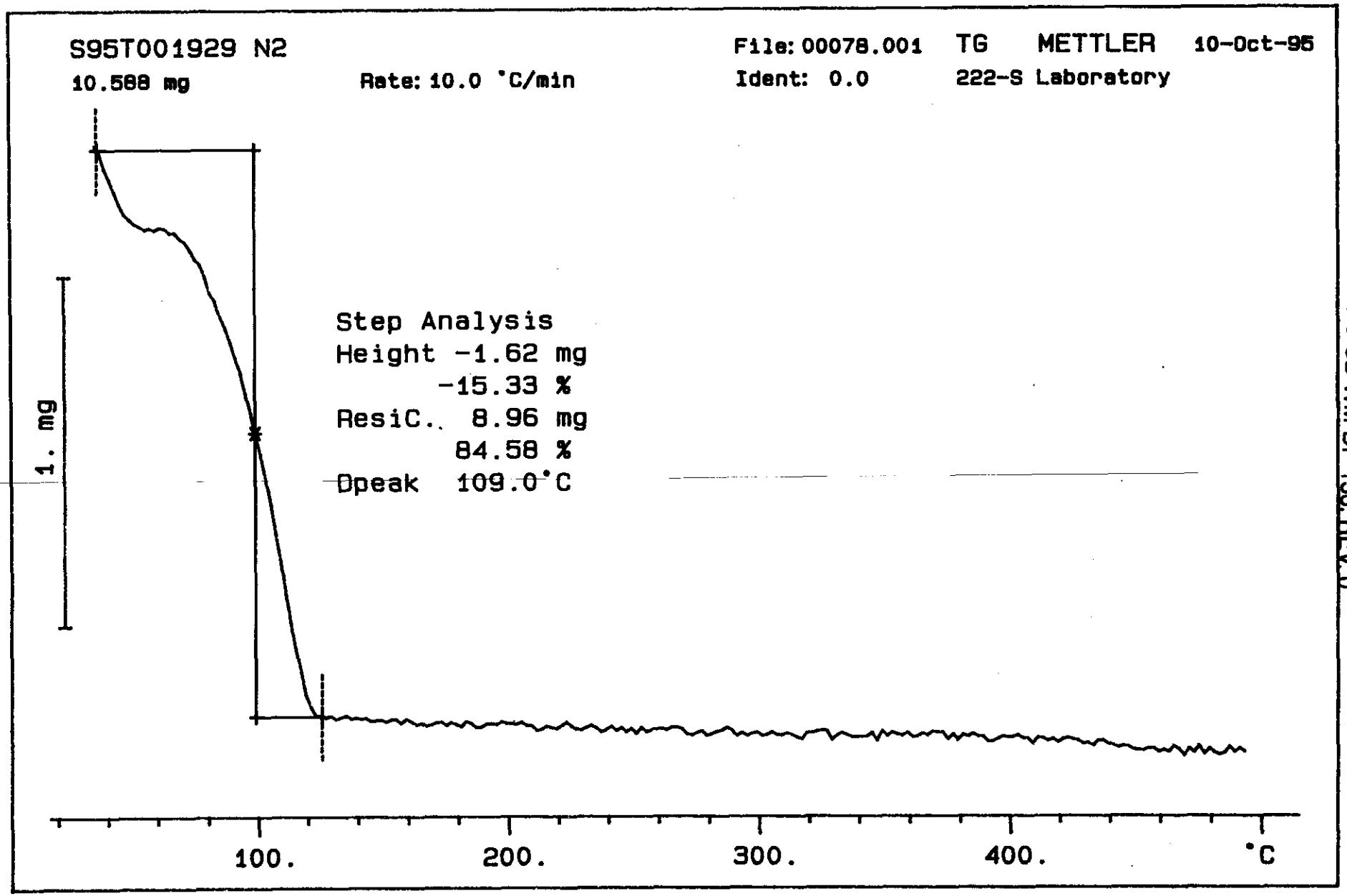
File: 00077.001 TG METTLER 10-Oct-95

Ident: 0.0 222-S Laboratory

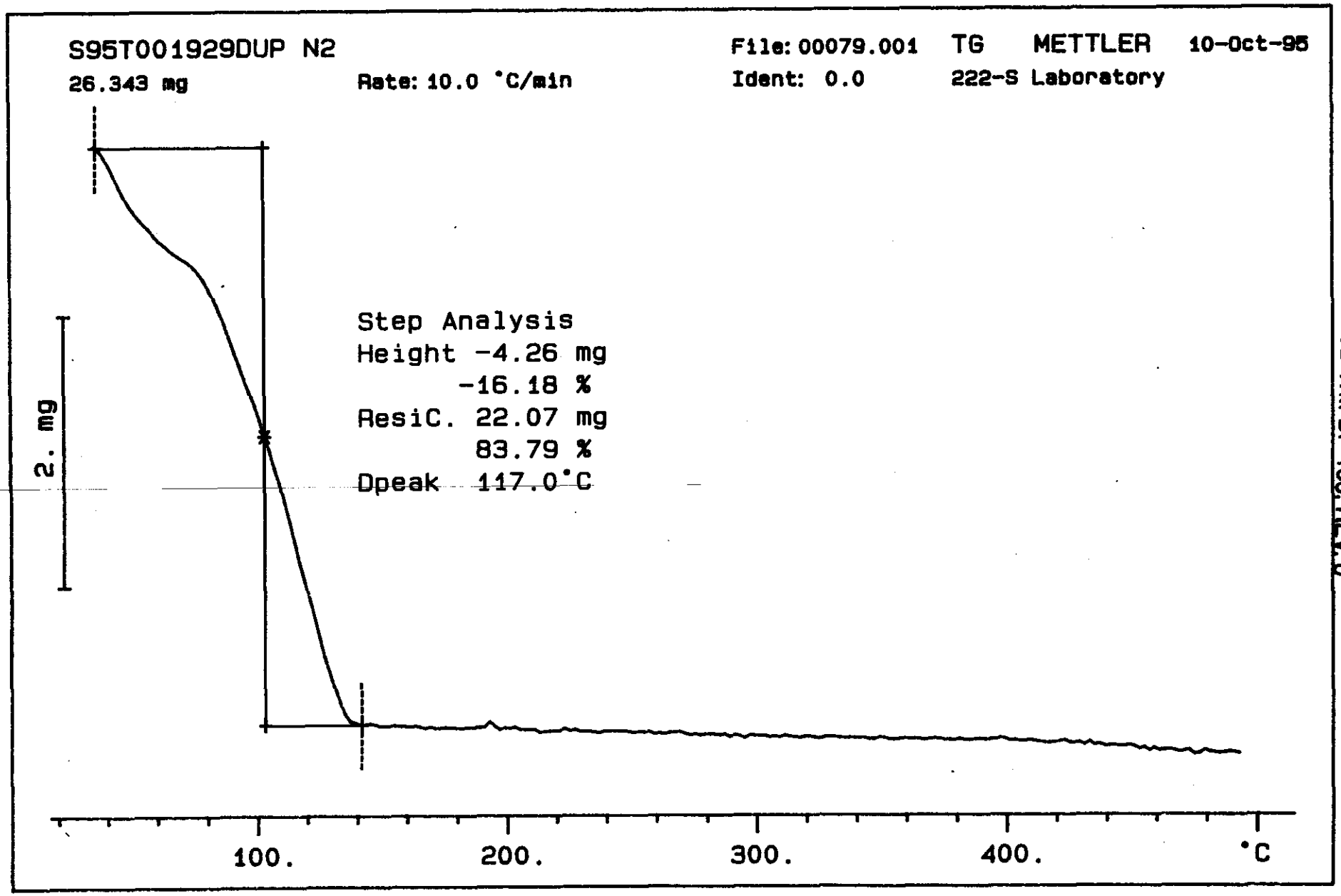


10/10/95

BEST AVAILABLE COPY



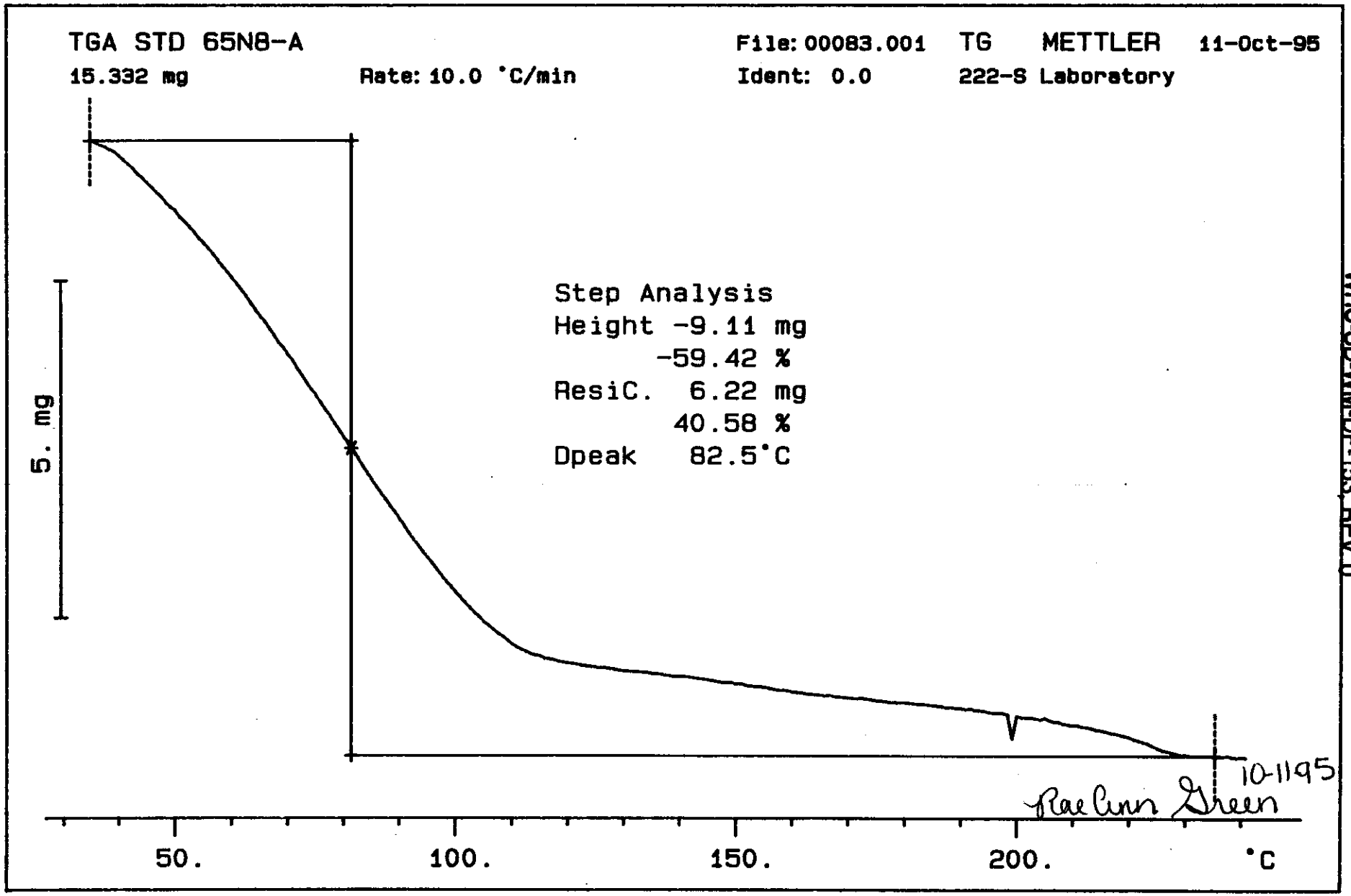
BEST AVAILABLE COPY



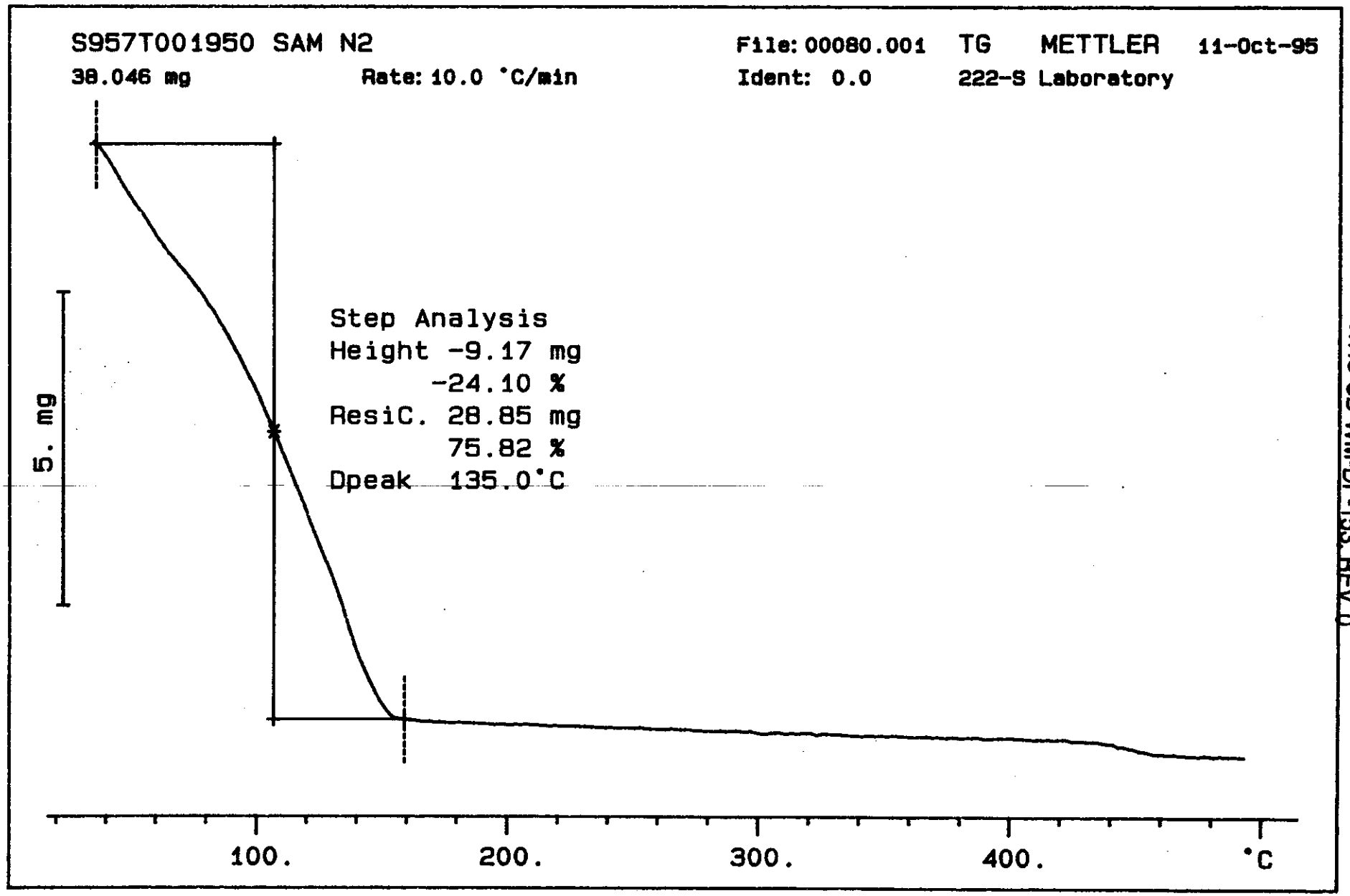
WHC-SD-WM-DP-153, REV. 0

SSC

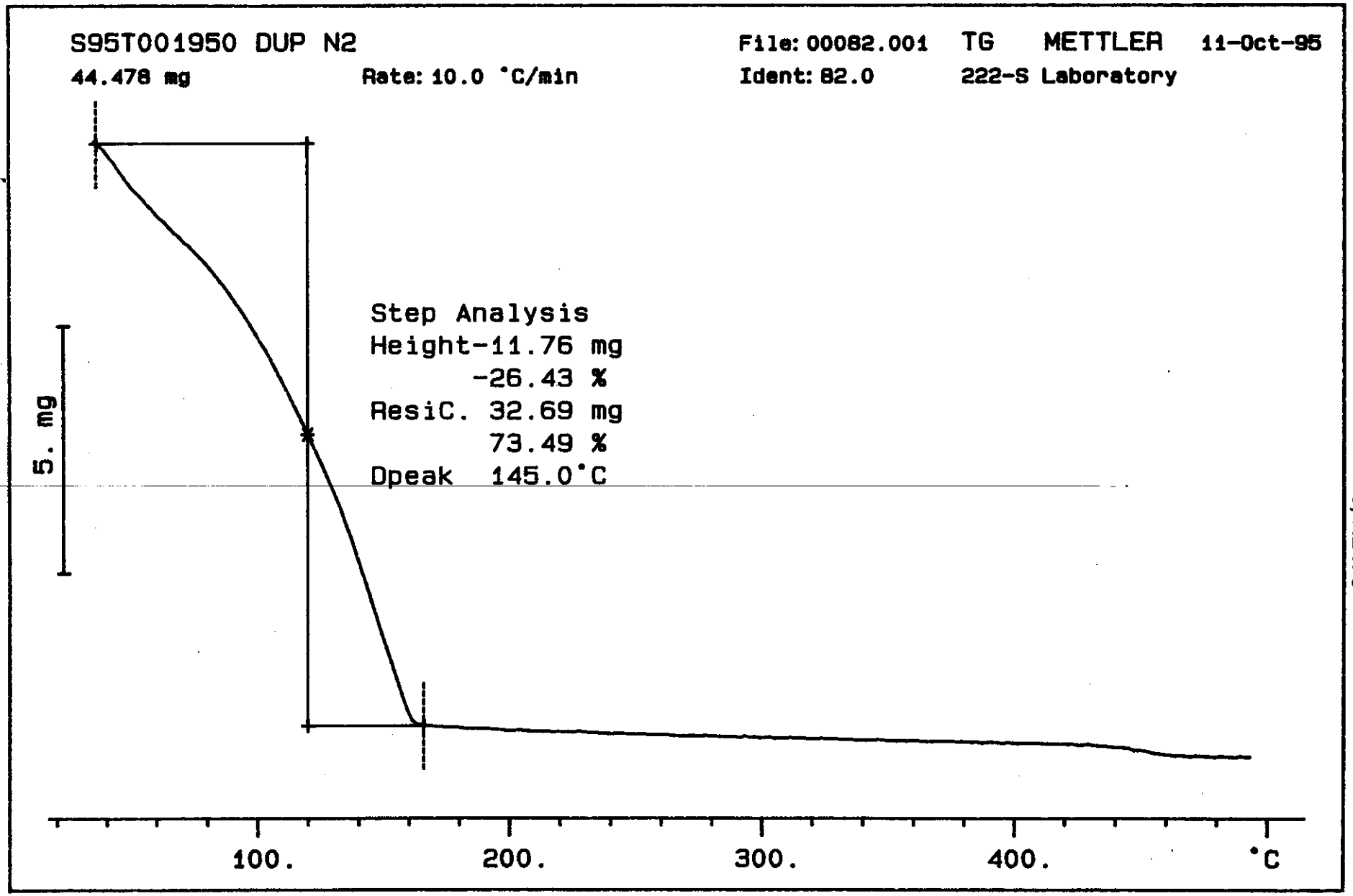
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2436

Analyst: SMF **Instrument:** TGA0 1 **Book #** 65N87

Method: LA-560-112 Rev/Mod B-D

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.00	N/A	%
95000124	BY-110	2	SAMPLE	S95T001956	0		TGA-01	SOLID	N/A	23.19		%
95000124	BY-110	3	DUP	S95T001956	0		TGA-01	SOLID	23.19	23.24	N/A	%
95000124	BY-110	4	SAMPLE	S95T001964	0		TGA-01	SOLID	N/A	22.05		%
95000124	BY-110	5	DUP	S95T001964	0		TGA-01	SOLID	22.05	20.82	N/A	%

Final page for worklist # 2436

Sm Fulton 10.13.95 1530
Analyst Signature **Date**

Gary Hammett 10-16-95
Analyst Signature **Date**

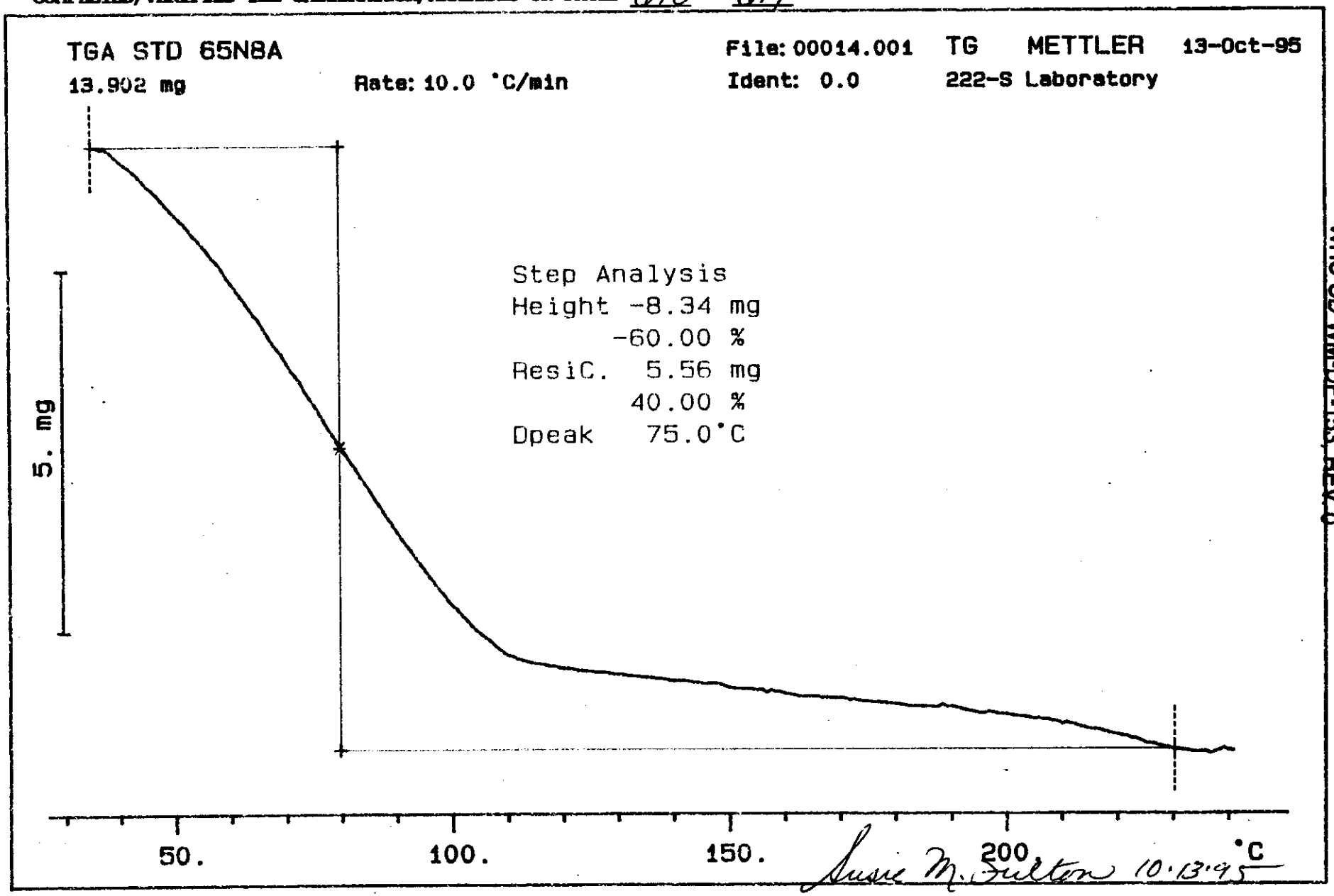
Verified by Blandina Valenzuela 10-18-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

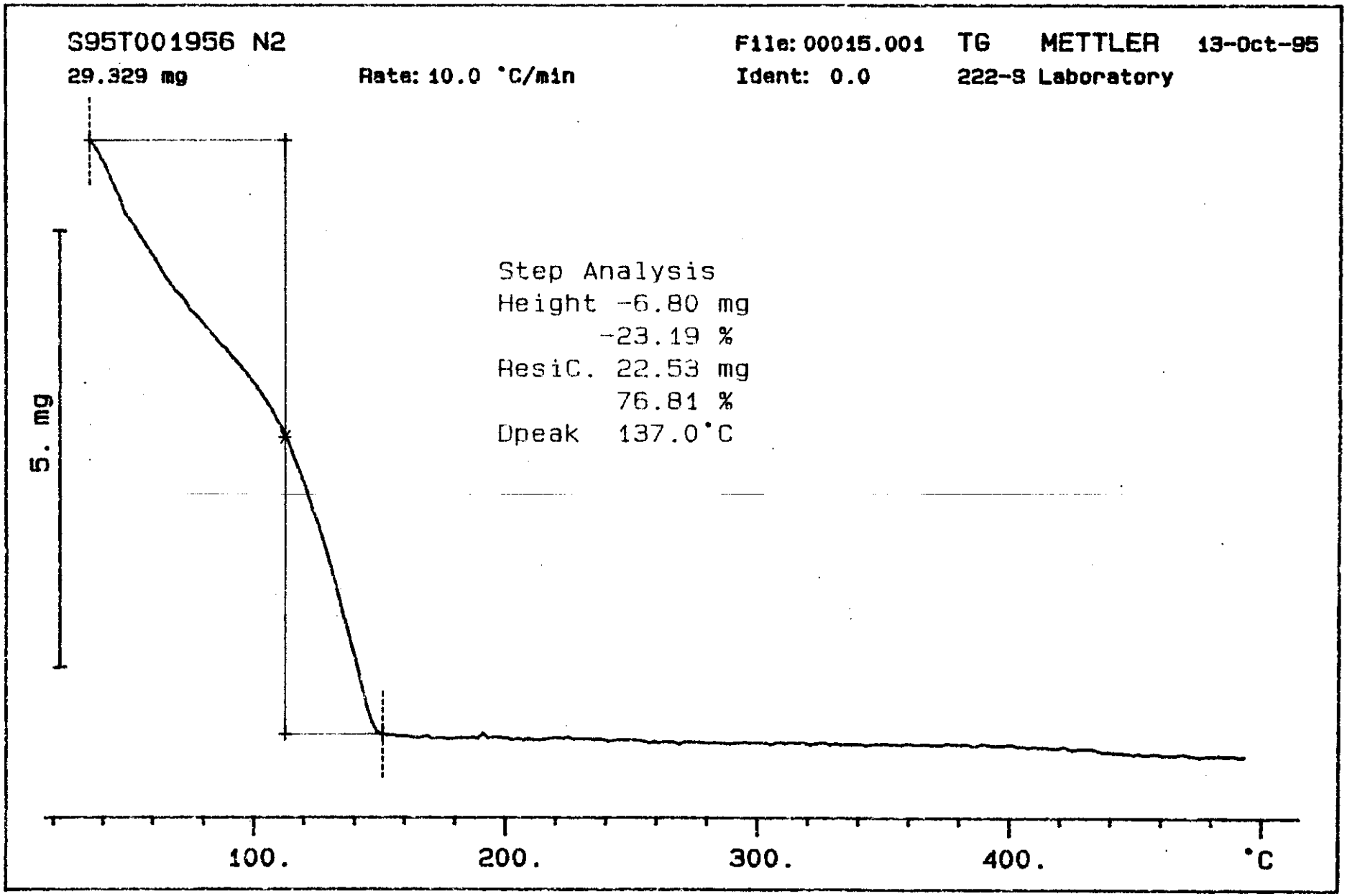
BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 690 TO 694.

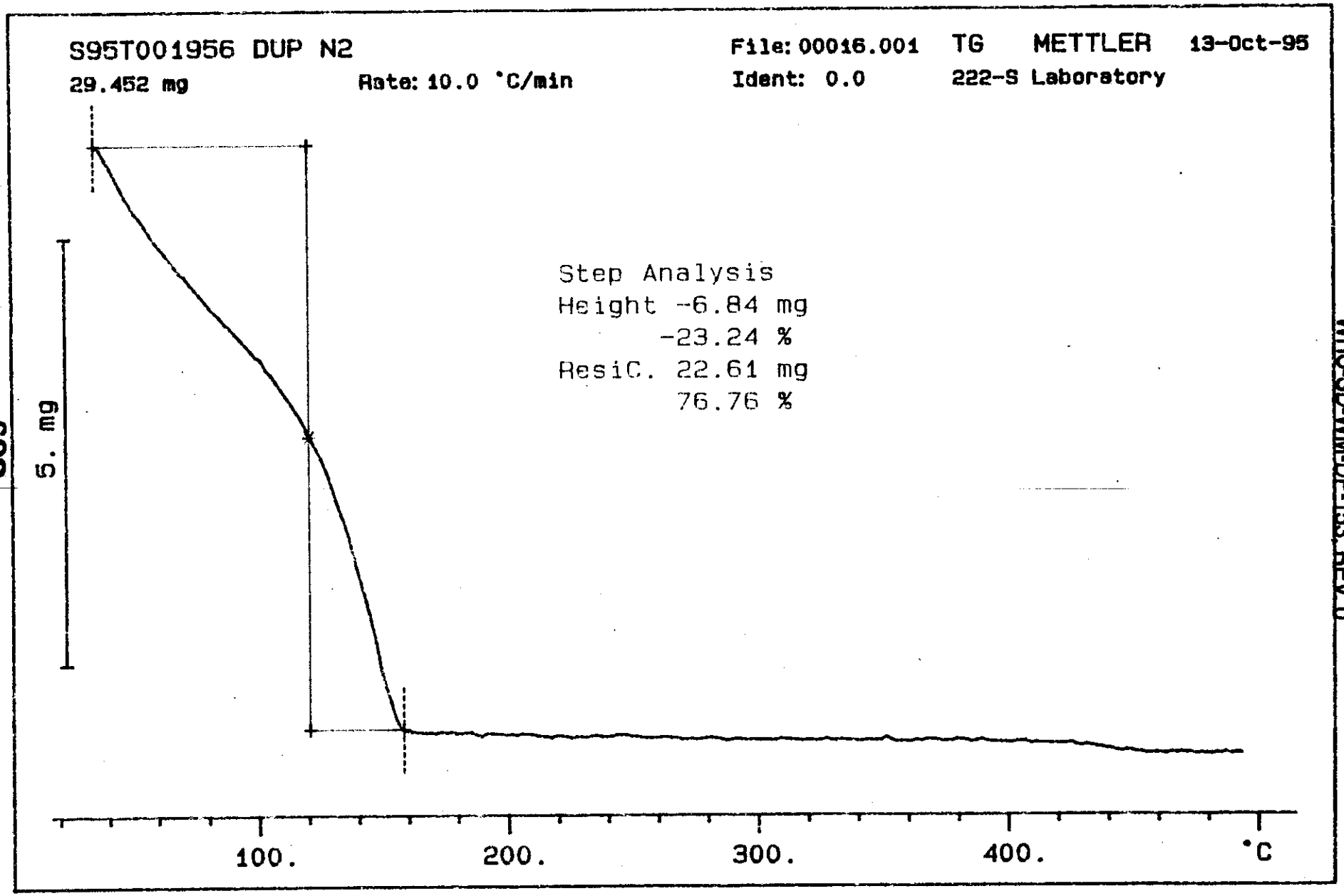


Susie M. Fulton 10-13-95

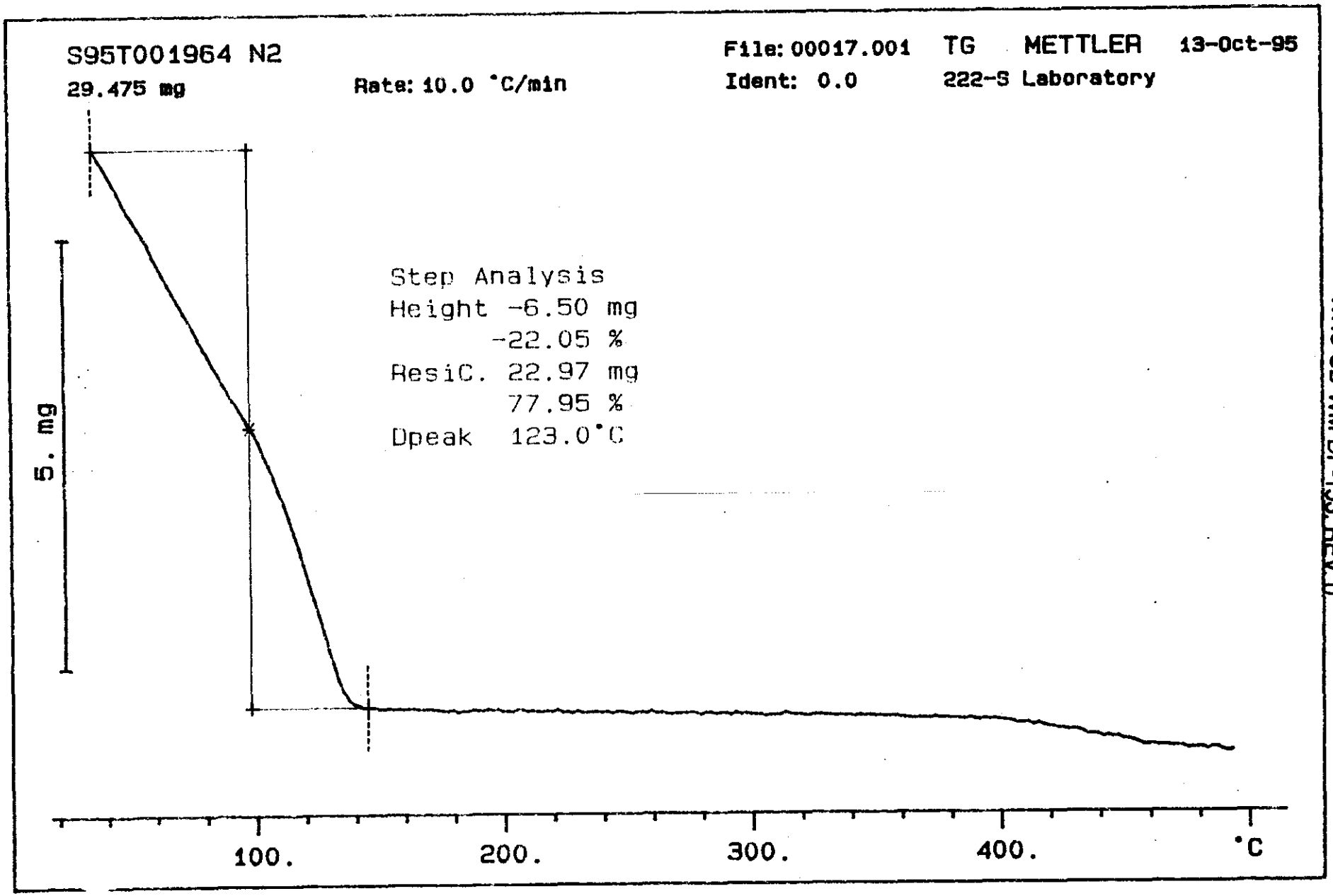
BEST AVAILABLE COPY



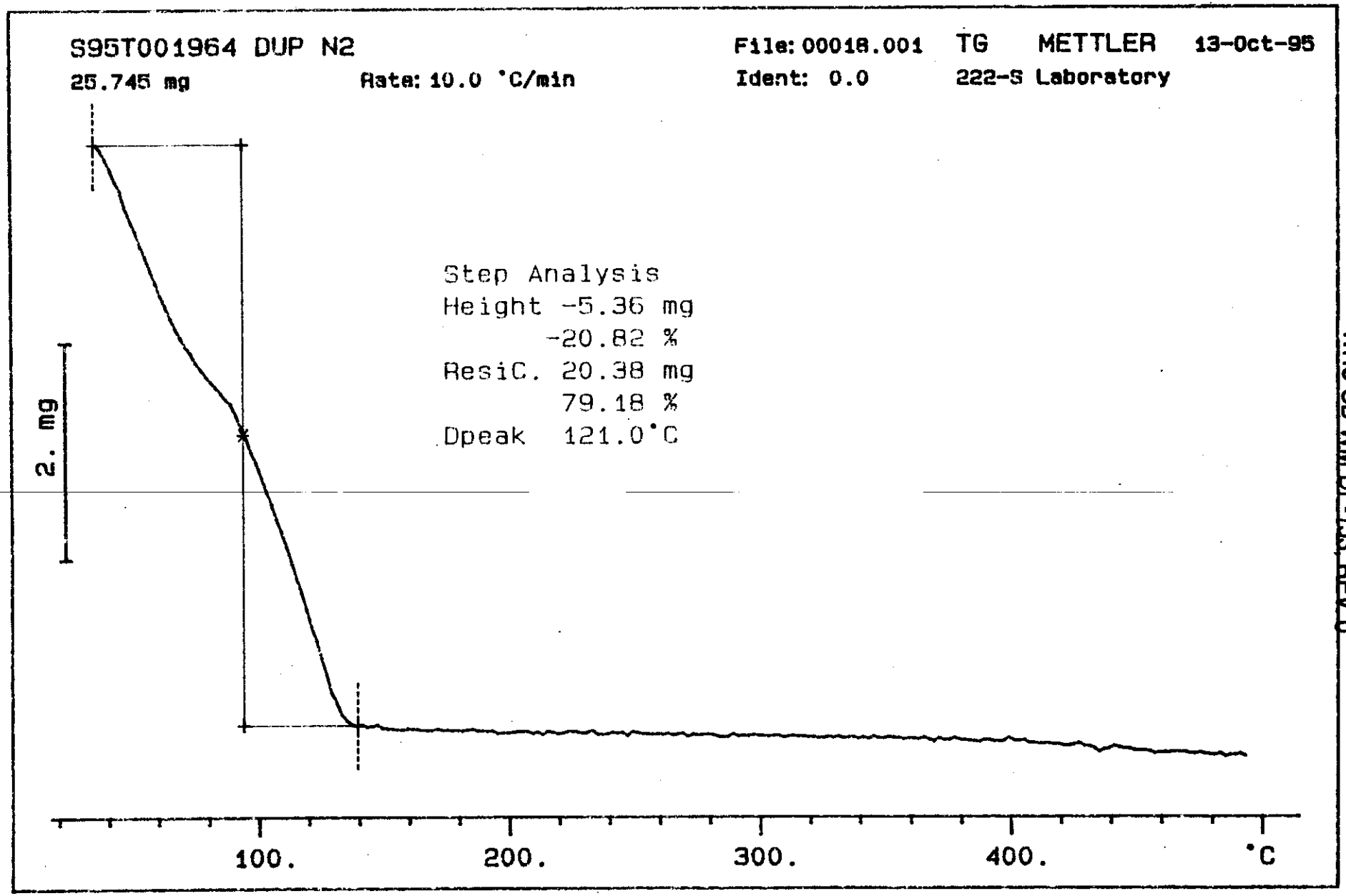
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2439

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.30	N/A	%
95000124	BY-110	2	SAMPLE	S95T002058	0		TGA-03	SOLID	N/A	20.71		%
95000124	BY-110	3	DUP	S95T002058	0		TGA-03	SOLID	20.71	15.95	N/A	%
95000124	BY-110	4	SAMPLE	S95T002059	0		TGA-03	SOLID	N/A	18.77		%
95000124	BY-110	5	DUP	S95T002059	0		TGA-03	SOLID	18.77	18.76	N/A	%

Final page for worklist # 2439

See attached for signatures
Analyst Signature **Date** 9-28-95 BDV

Verified by Blandina Valenzuela 10-2-95

[signature] 9/29/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2439

Analyst: bds **Instrument:** TGA0 _____ **Book #** _____

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2	SAMPLE	S95T002058	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3	DUP	S95T002058	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4	SAMPLE	S95T002059	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5	DUP	S95T002059	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2439

JAK Spk 9-25-95
Analyst Signature **Date**

Analyst Signature **Date**

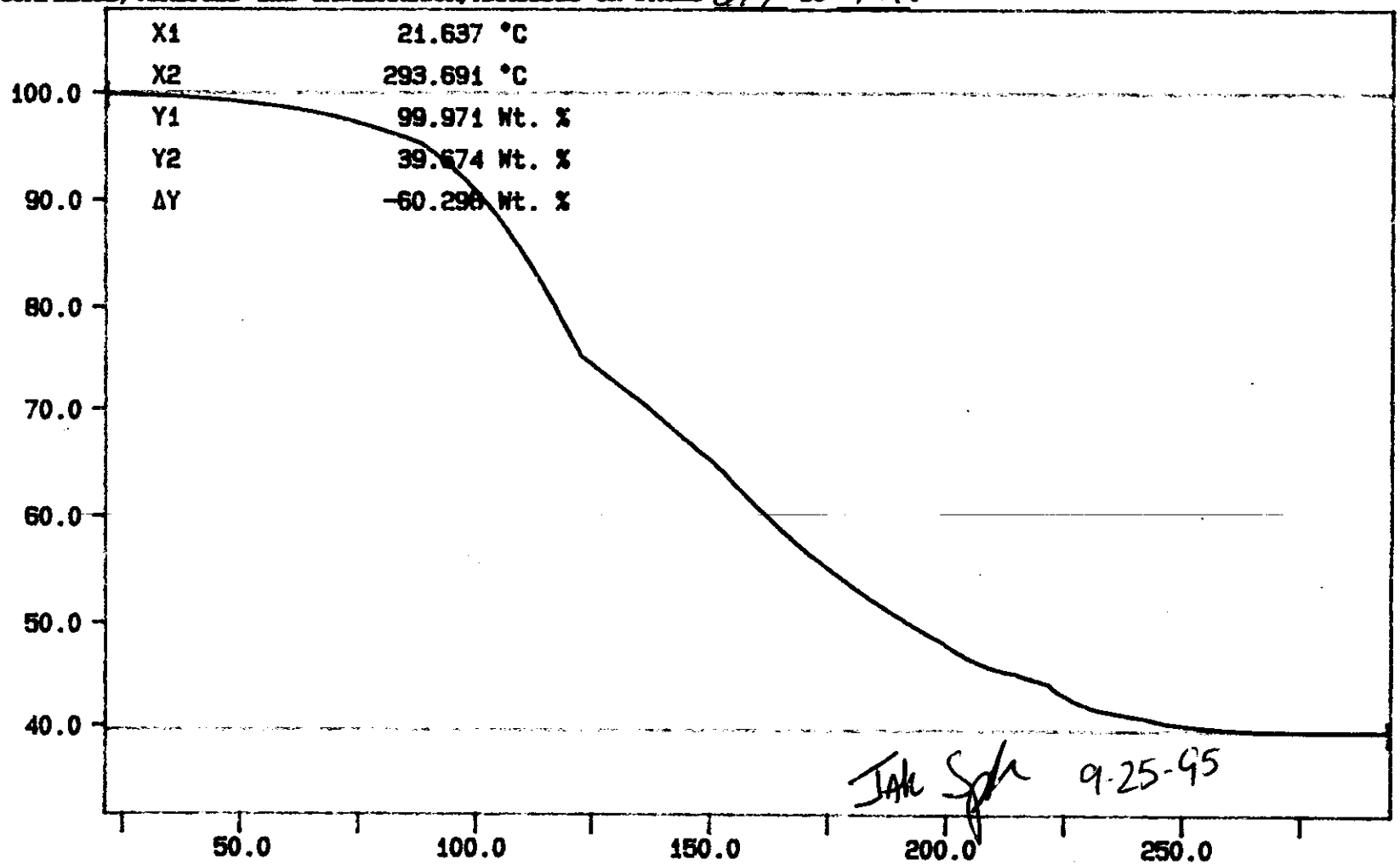
Other instrument was used.

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: T6A
File info: TER092501 Mon Sep 25 08:29:16 1995
Sample Weight: 30.803 mg
65N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 697 TO 701.

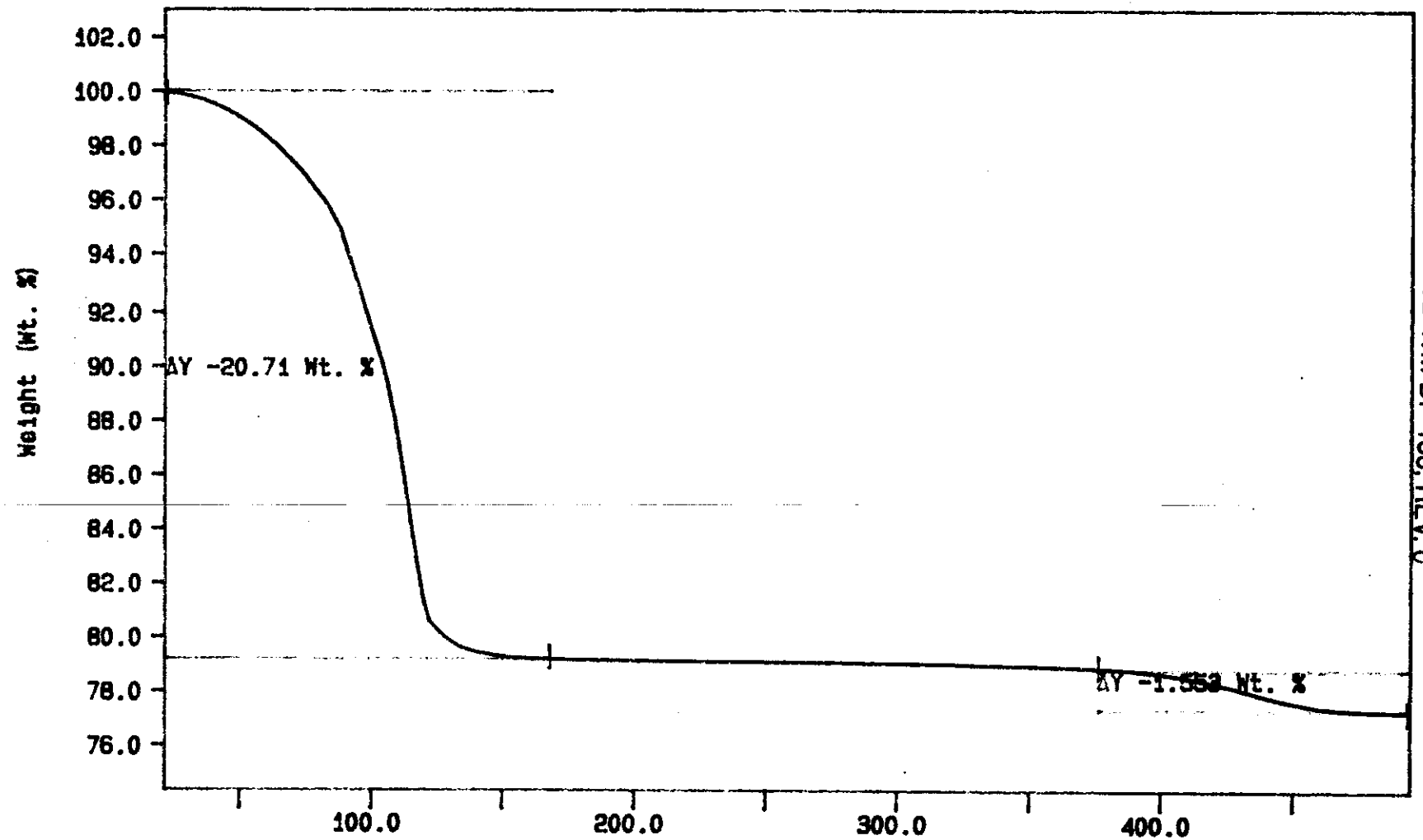


Jak Spl 9-25-95

N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 08:29:49 1995

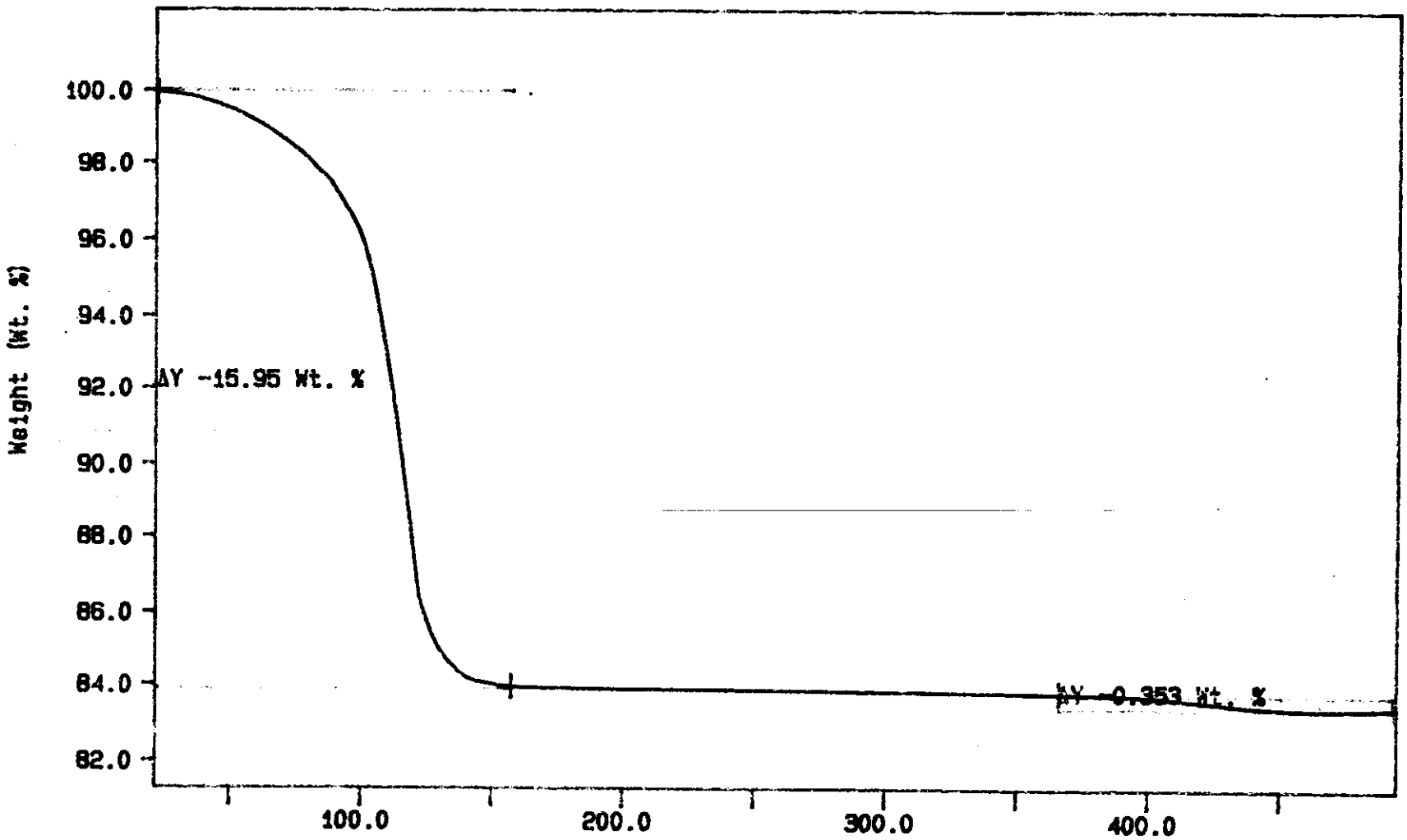
Curve 1: TGA
File info: SAM092501 Mon Sep 25 09:54:30 1995
Sample Weight: 12.930 mg
S95T002058



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 11:23:55 1995

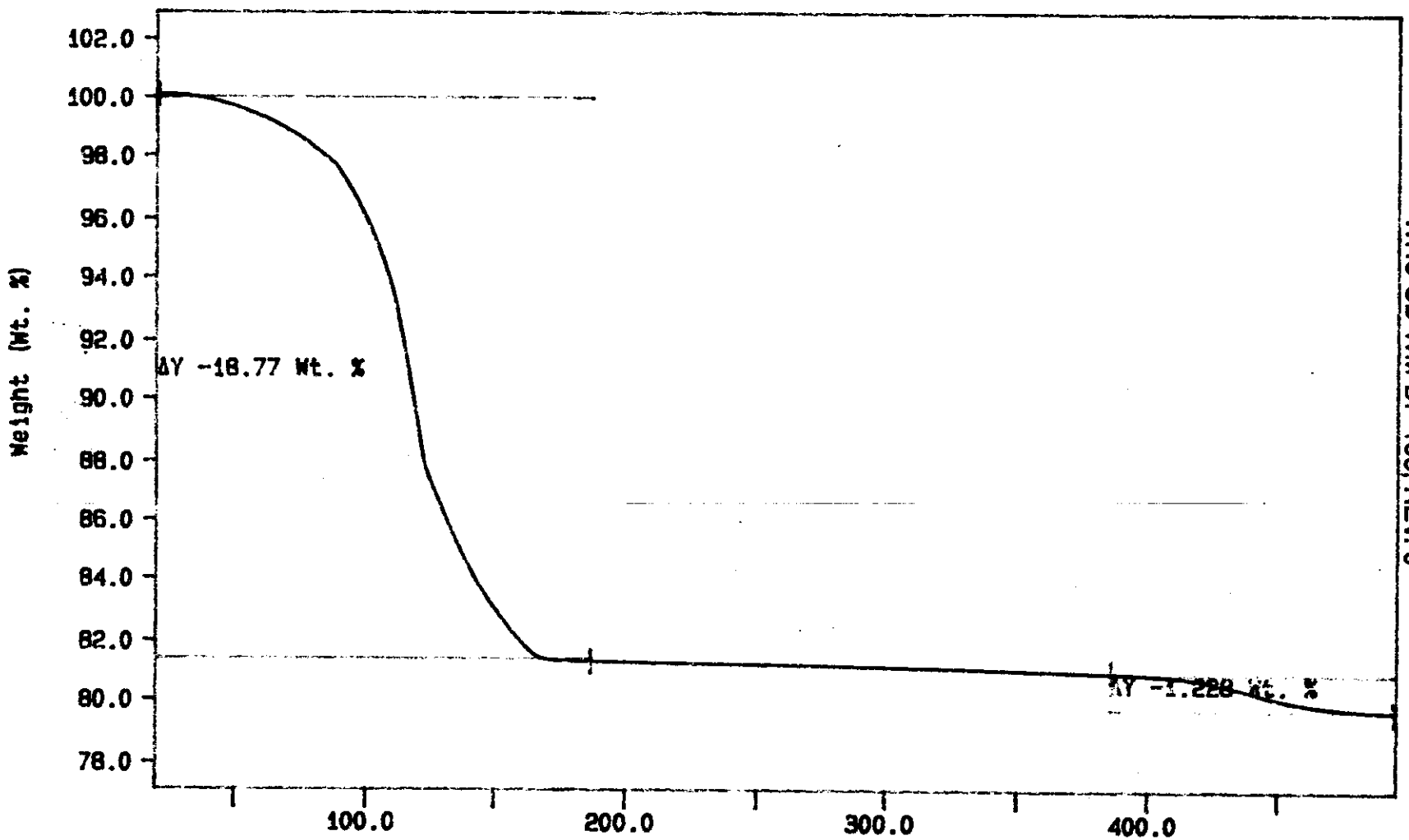
Curve 1: TGA
File info: SAM092502 Mon Sep 25 12:29:54 1995
Sample Weight: 15.230 mg
S95T002058 DUP



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 12:34:40 1995

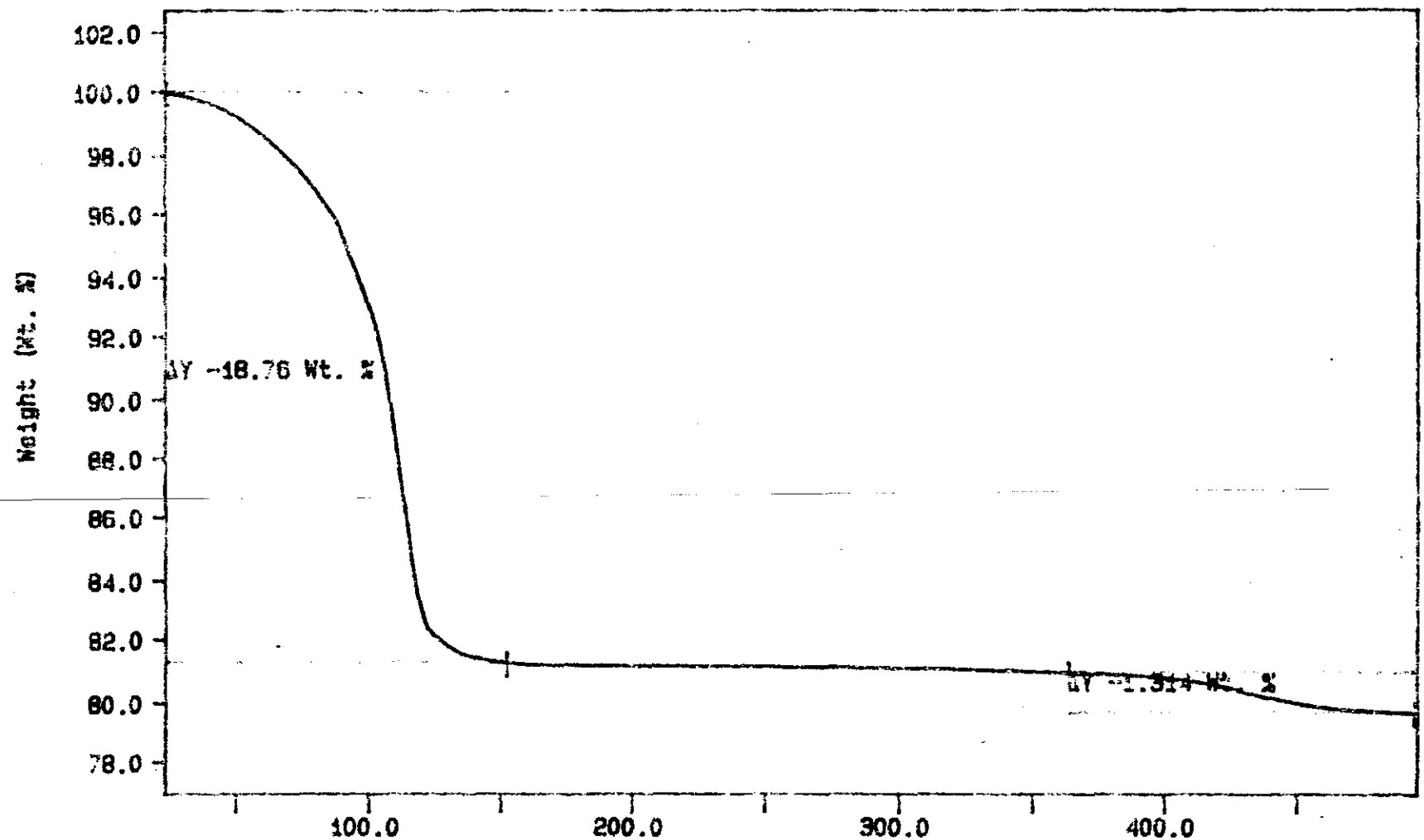
Curve 1: TGA
File info: SAM092508 Mon Sep 25 13:56:36 1995
Sample Weight: 24.406 mg
S95T002059



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 13:57:15 1995

Curve 1: TGA
File info: SAM092509 Mon Sep 25 15:20:30 1995
Sample Weight: 10.008 mg
S95T002059 Dup 12/18/95 BCV



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Sep 25 15:22:29 1995

LABCORE Data Entry Template for Worklist# 2441

Analyst: JDS **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.16	N/A	%
95000124	BY-110	2	SAMPLE	S95T002060	0		TGA-01	SOLID	N/A	18.78		%
95000124	BY-110	3	DUP	S95T002060	0		TGA-01	SOLID	18.78	18.26	N/A	%
		4	STD				TGA-01	SOLID	59.74	59.89	N/A	%
95000124	BY-110	5	SAMPLE	S95T002061	0		TGA-01	SOLID	N/A	31.50		%
95000124	BY-110	6	DUP	S95T002061	0		TGA-01	SOLID	31.50	29.73	N/A	%

Final page for worklist # 2441

See attached for signatures
Analyst Signature **Date** 10-6-95

Verified by Blandina Valenzuela 10-10-95

[signature] 10/9/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2441

Analyst: Jds **Instrument:** TGA0 1 **Book #** 65N84

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000124	BY-110	2	SAMPLE	S95T002060	0		TGA-01	SOLID	N/A			%
95000124	BY-110	3	DUP	S95T002060	0		TGA-01	SOLID			N/A	%
95000124	BY-110	4	SAMPLE	S95T002061	0		TGA-01	SOLID	N/A			%
95000124	BY-110	5	DUP	S95T002061	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2441

Jds 10-6-95

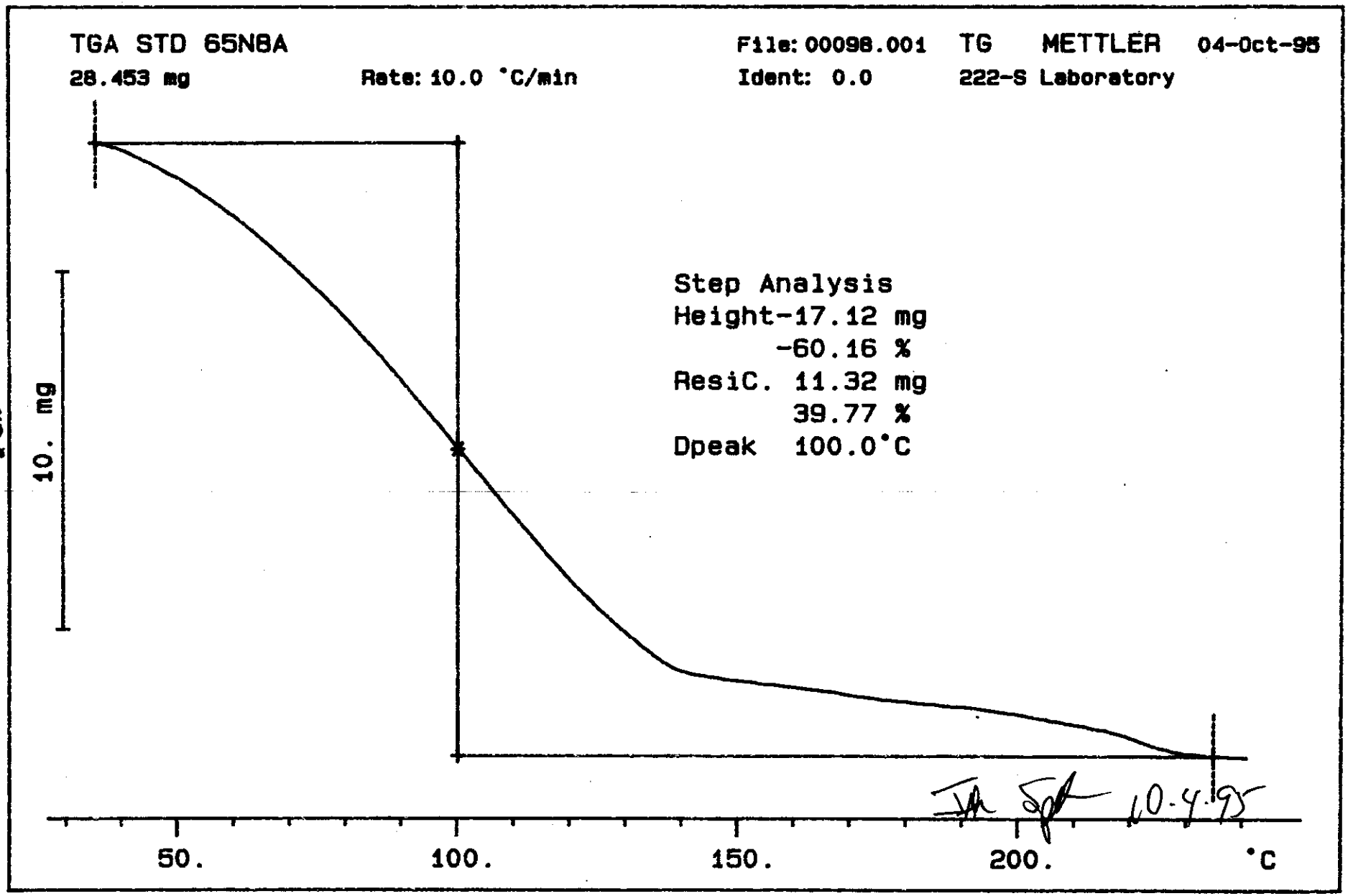
Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 704 TO 709.

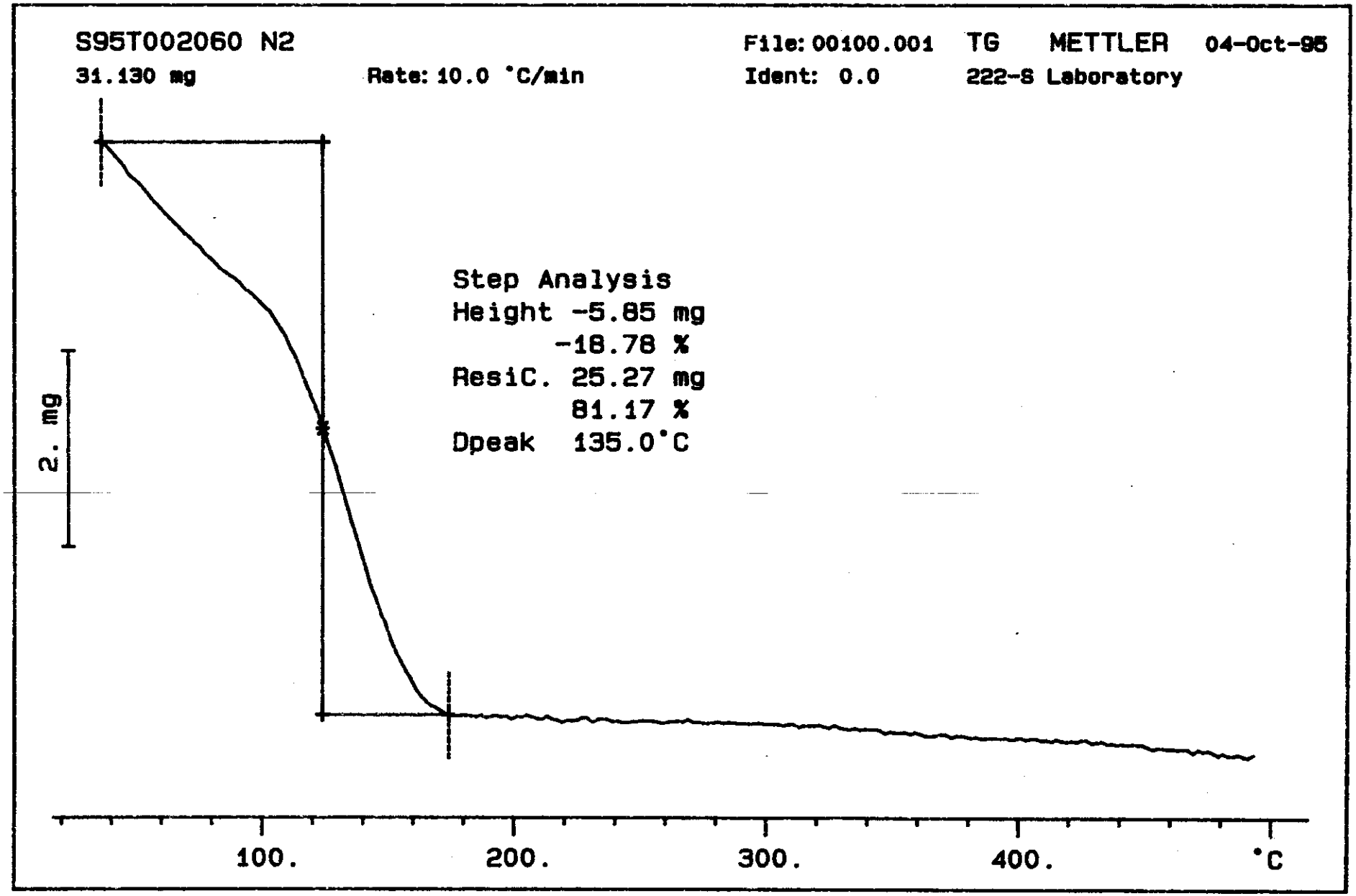
BEST AVAILABLE COPY



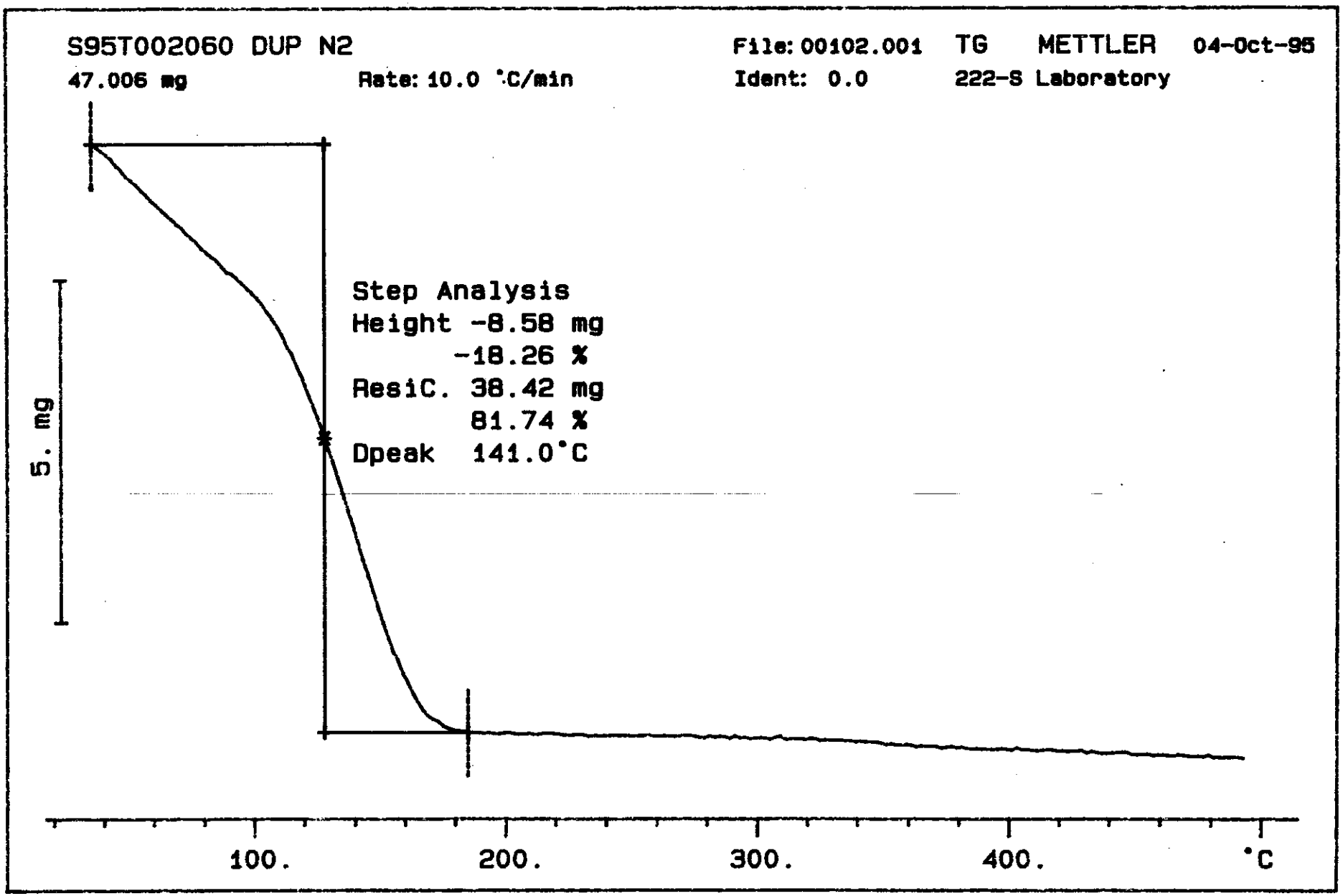
10-4-95

704

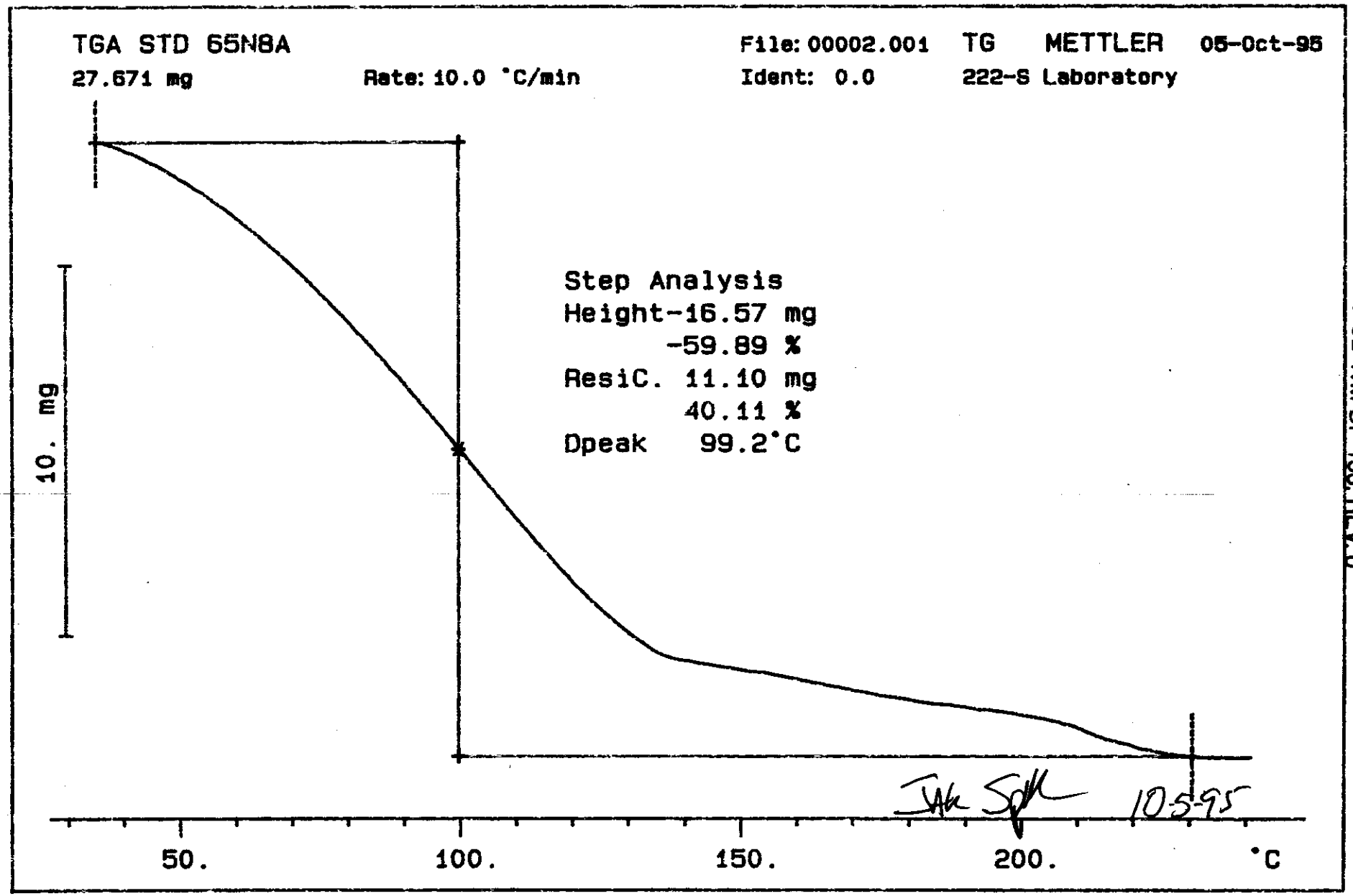
BEST AVAILABLE COPY



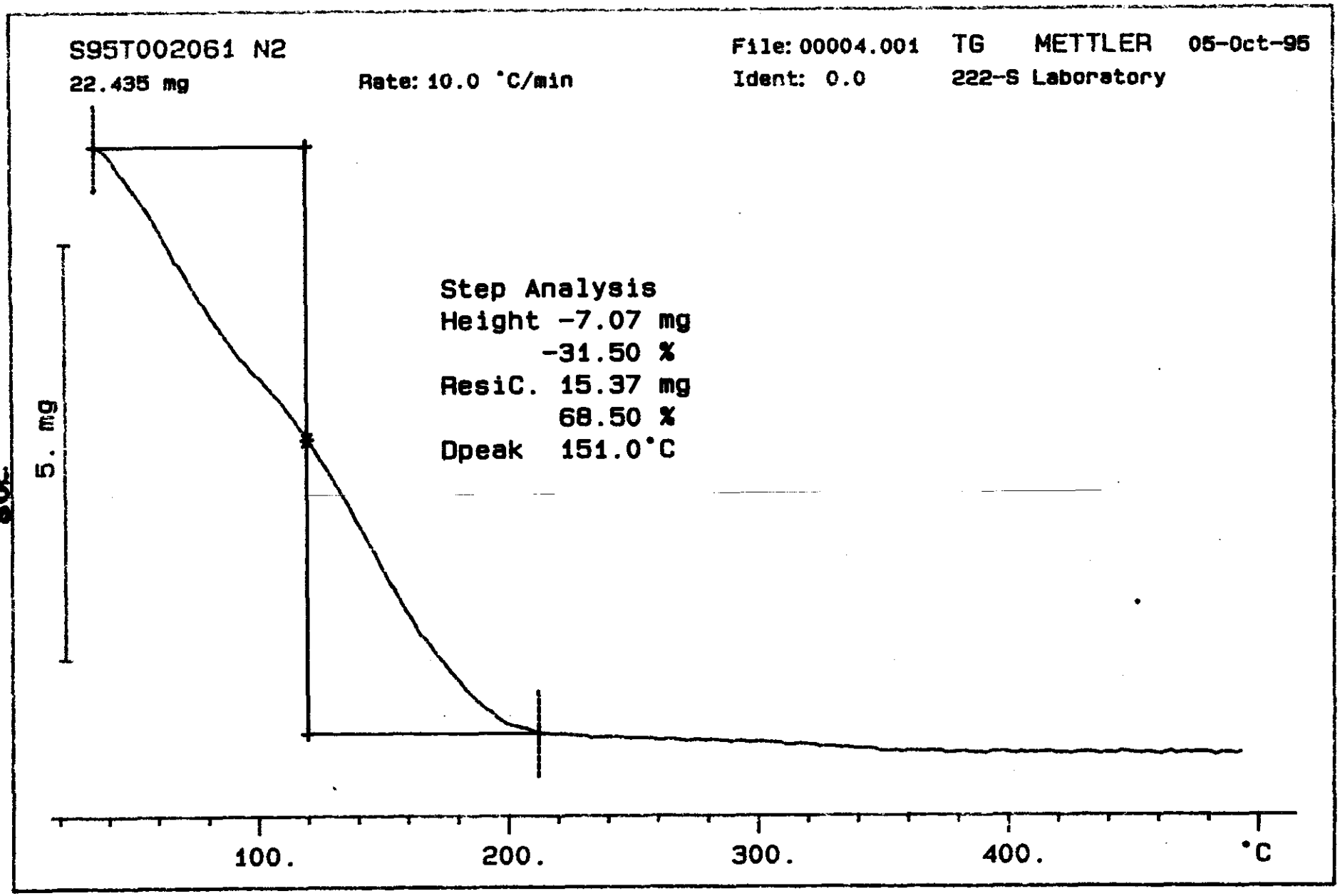
BEST AVAILABLE COPY



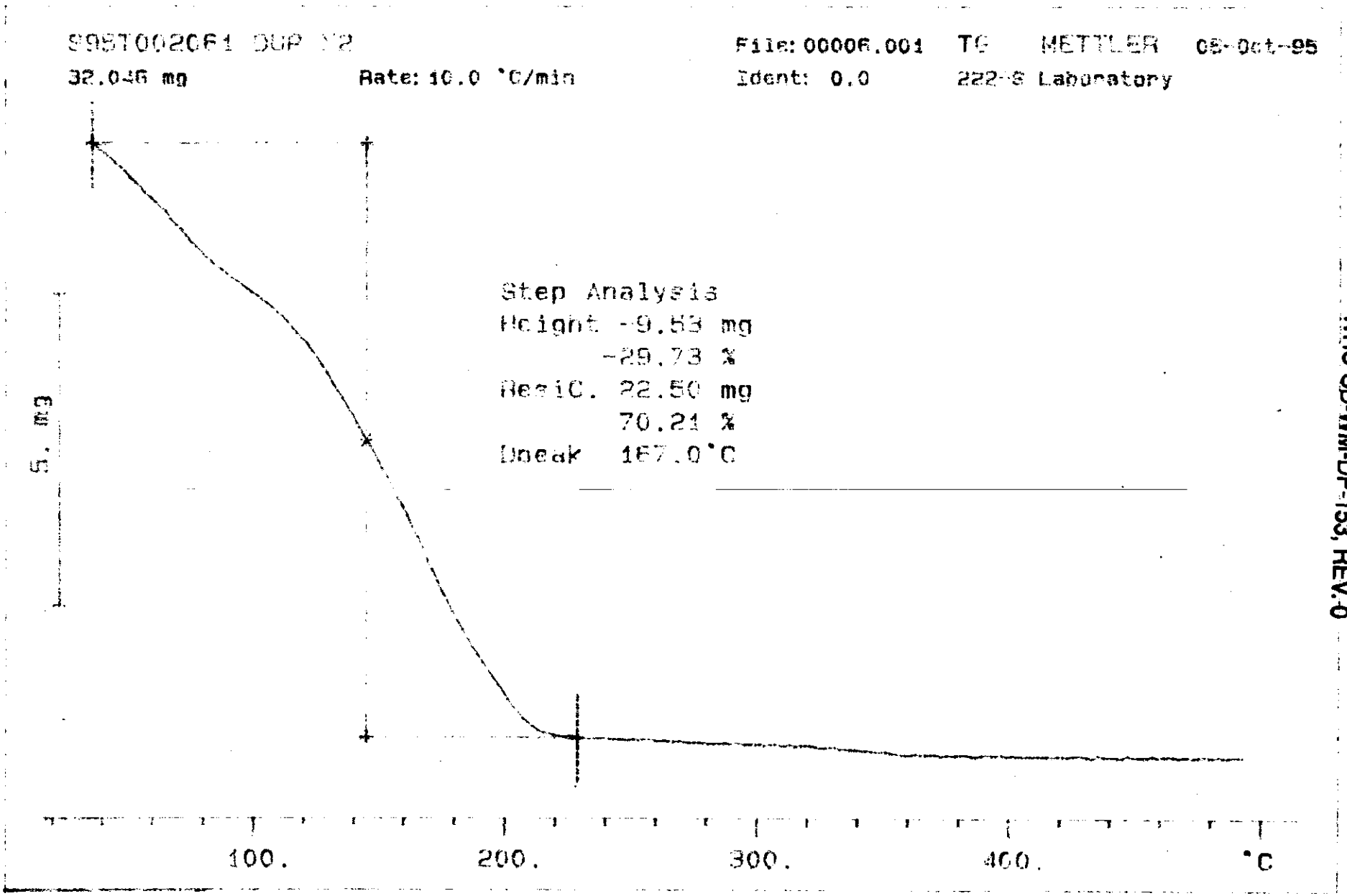
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2442

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B O

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.54	N/A	%
95000124	BY-110	2	SAMPLE	S95T002062	0		TGA-01	SOLID	N/A	13.52		%
95000124	BY-110	3	DUP	S95T002062	0		TGA-01	SOLID	13.52	13.11	N/A	%
95000110	BY-110	4	SAMPLE	S95T002150	0		TGA-01	SOLID	N/A	~~23.34~~ 24.38	12/18/95 BDV	%
95000110	BY-110	5	DUP	S95T002150	0		TGA-01	SOLID	~~23.34~~ 24.38	24.38 23.34	12/18/95 N/A BDV	%

Final page for worklist # 2442

Anthony Lunsford 10-22-95
Analyst Signature **Date**

Tom D. [illegible] 10/23/95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10/25/95

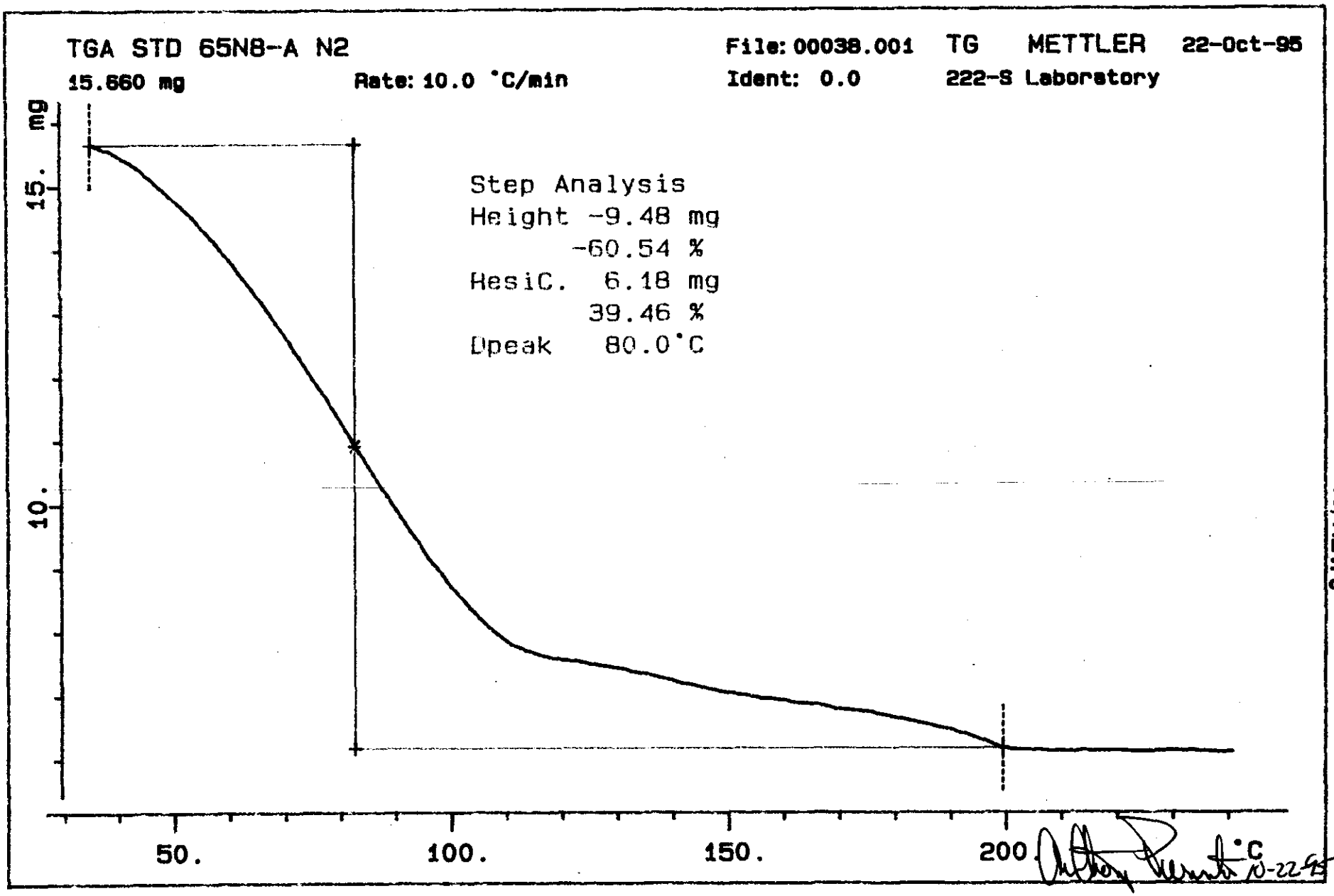
S95T002150 produced ~~two~~ 10-23-95 BDV another weight loss step of 18.84% at approximately 140°C.

Data Entry Comments: The chemist added the two steps together to get the results of the total water.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

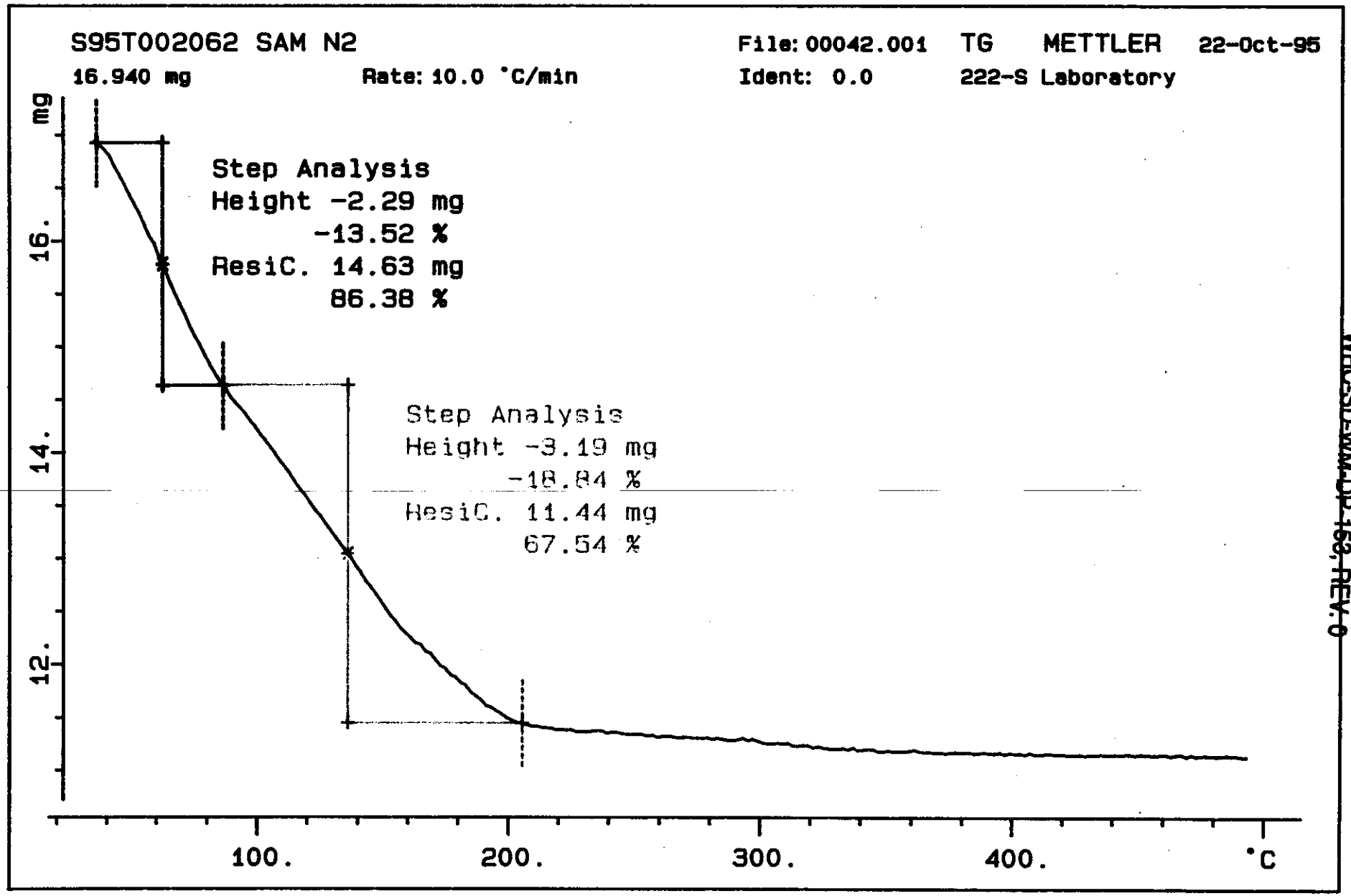
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 711 TO 715.

BEST AVAILABLE COPY

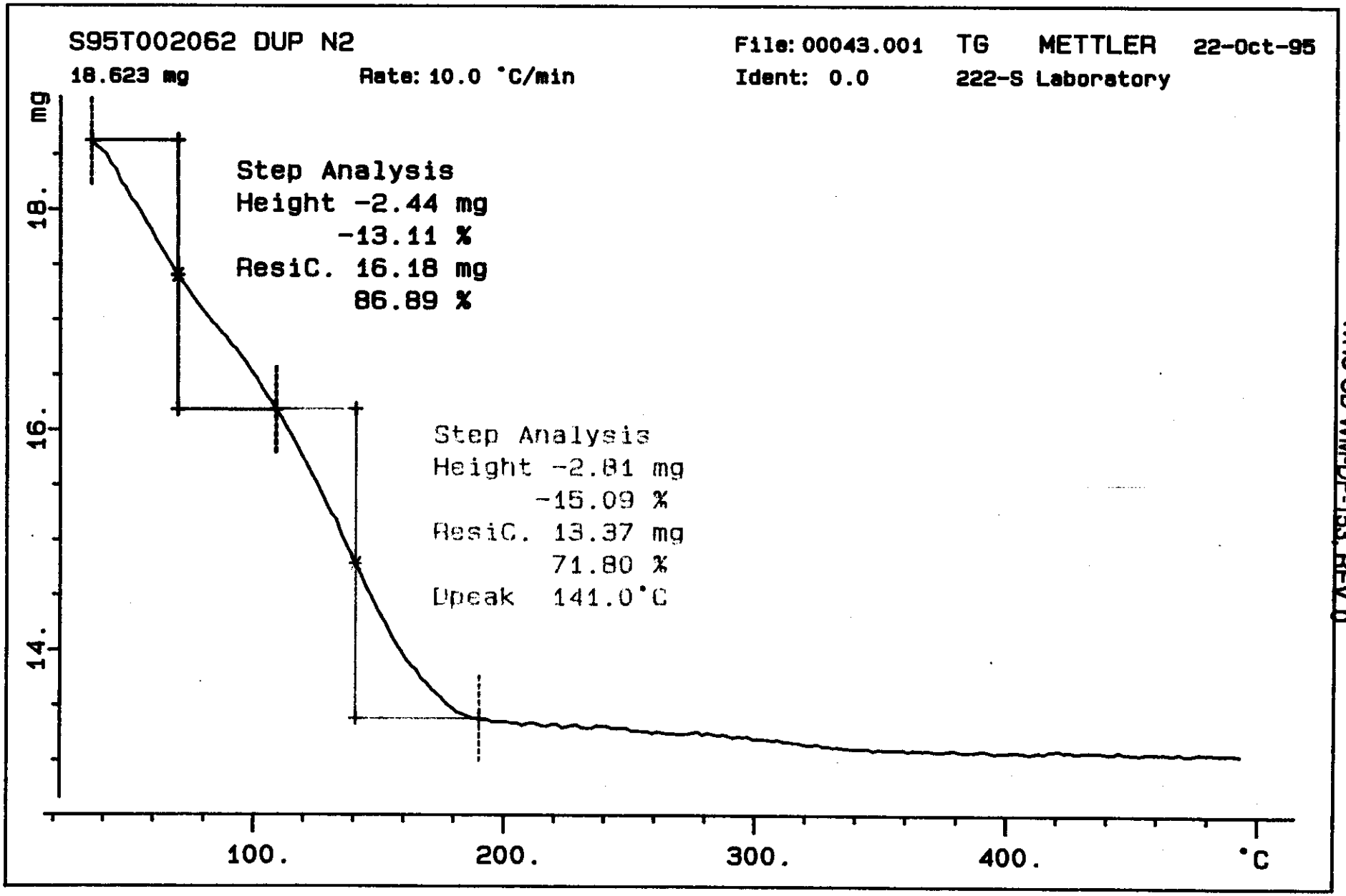


Anthony Perrotti 10-22-95

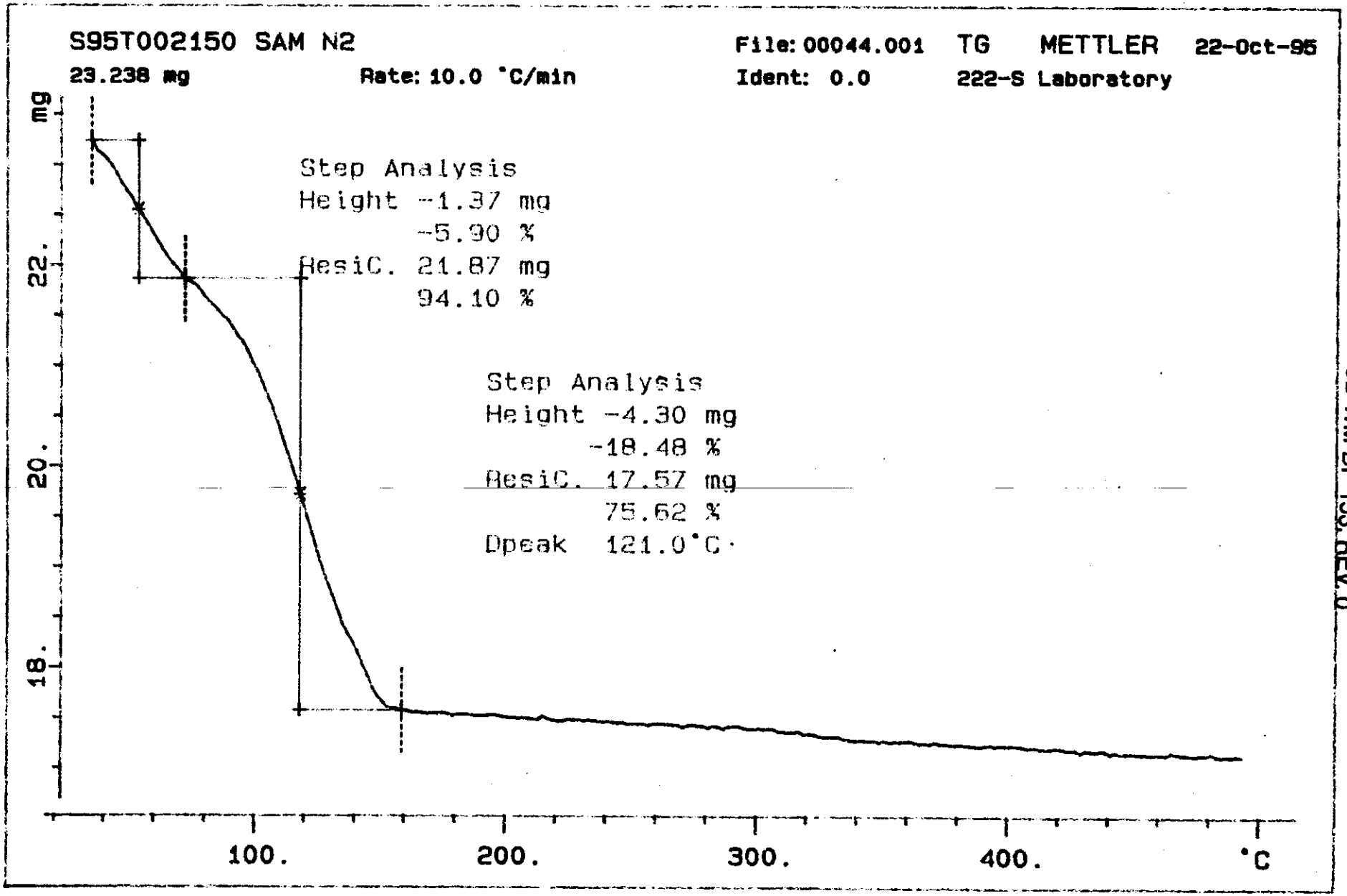
BEST AVAILABLE COPY



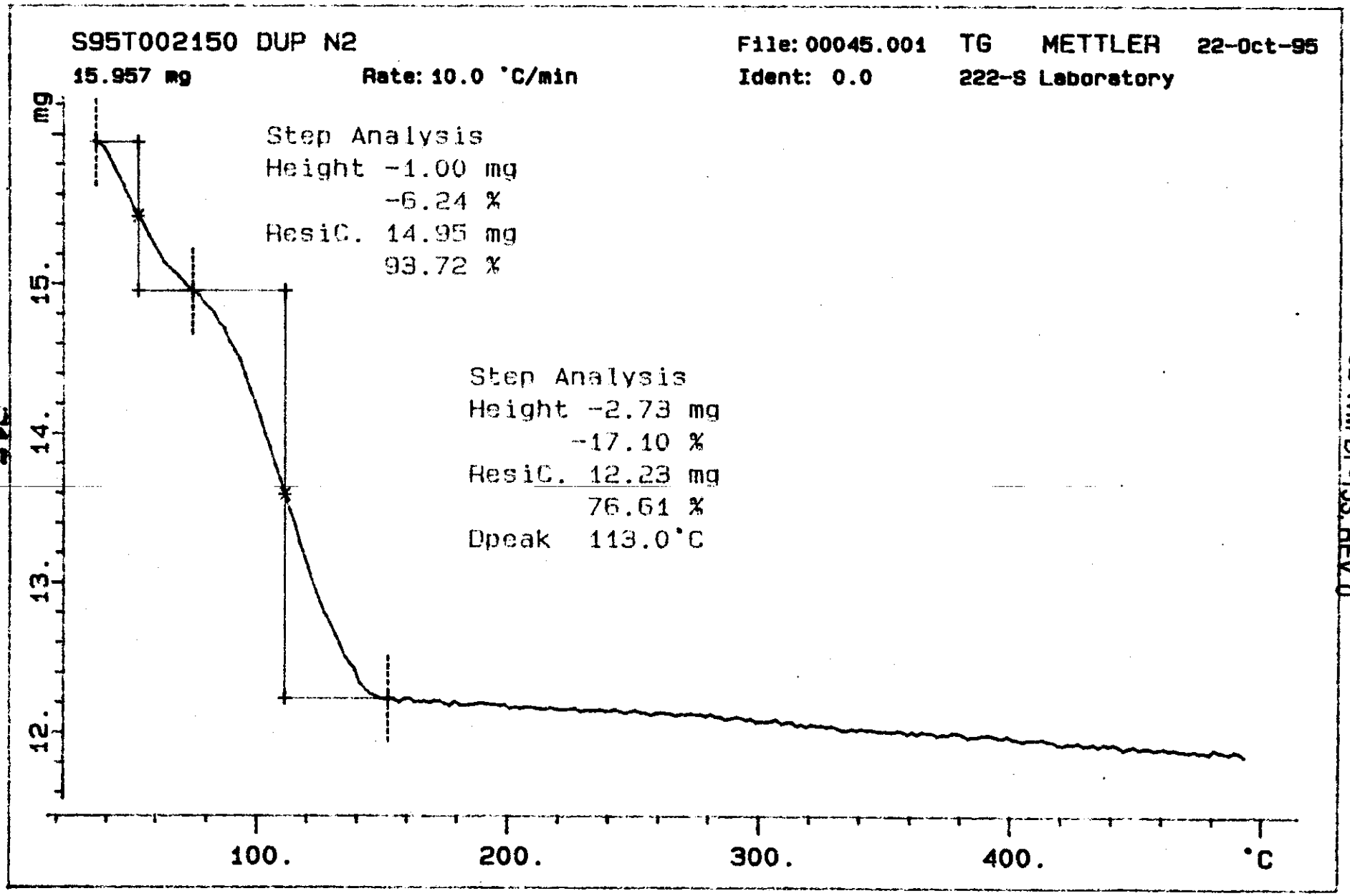
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2443

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod 30

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.00	N/A	%
95000110	BY-110	2	SAMPLE	S95T002205	0		TGA-01	SOLID	N/A	30.84		%
95000110	BY-110	3	DUP	S95T002205	0		TGA-01	SOLID	30.84	26.90	N/A	%
95000110	BY-110	4	SAMPLE	S95T002206	0		TGA-01	SOLID	N/A	30.52		%
95000110	BY-110	5	DUP	S95T002206	0		TGA-01	SOLID	30.52	27.86	N/A	%

Final page for worklist # 2443

10-13-95
Analyst Signature **Date**

10-16-95
Analyst Signature **Date**

Verified by Blandina Valenzuela
10-18-95

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 717 TO 721.

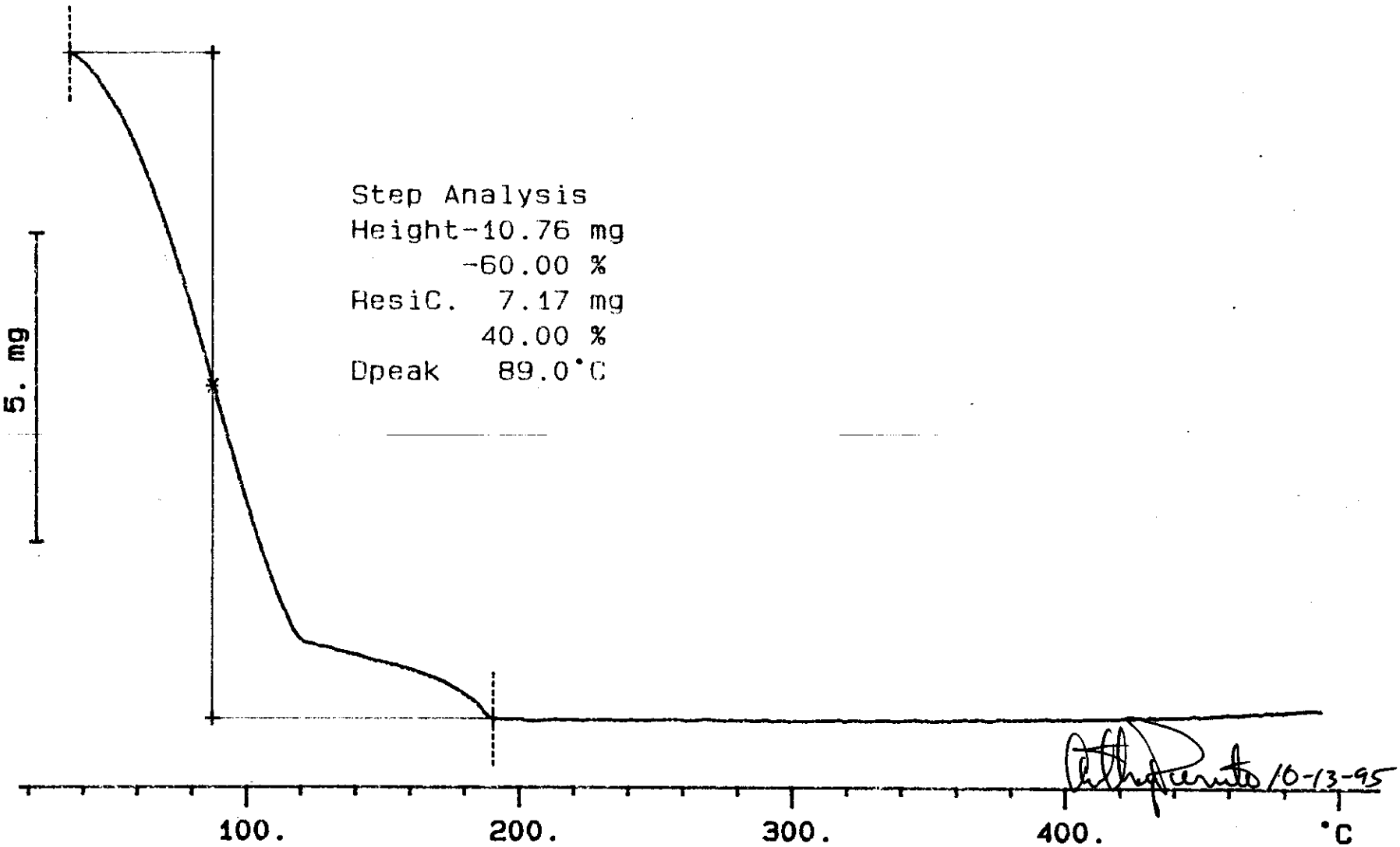
TGA STD 65N8A

17.925 mg

Rate: 10.0 °C/min

File: 00019.001 TG METTLER 13-Oct-95

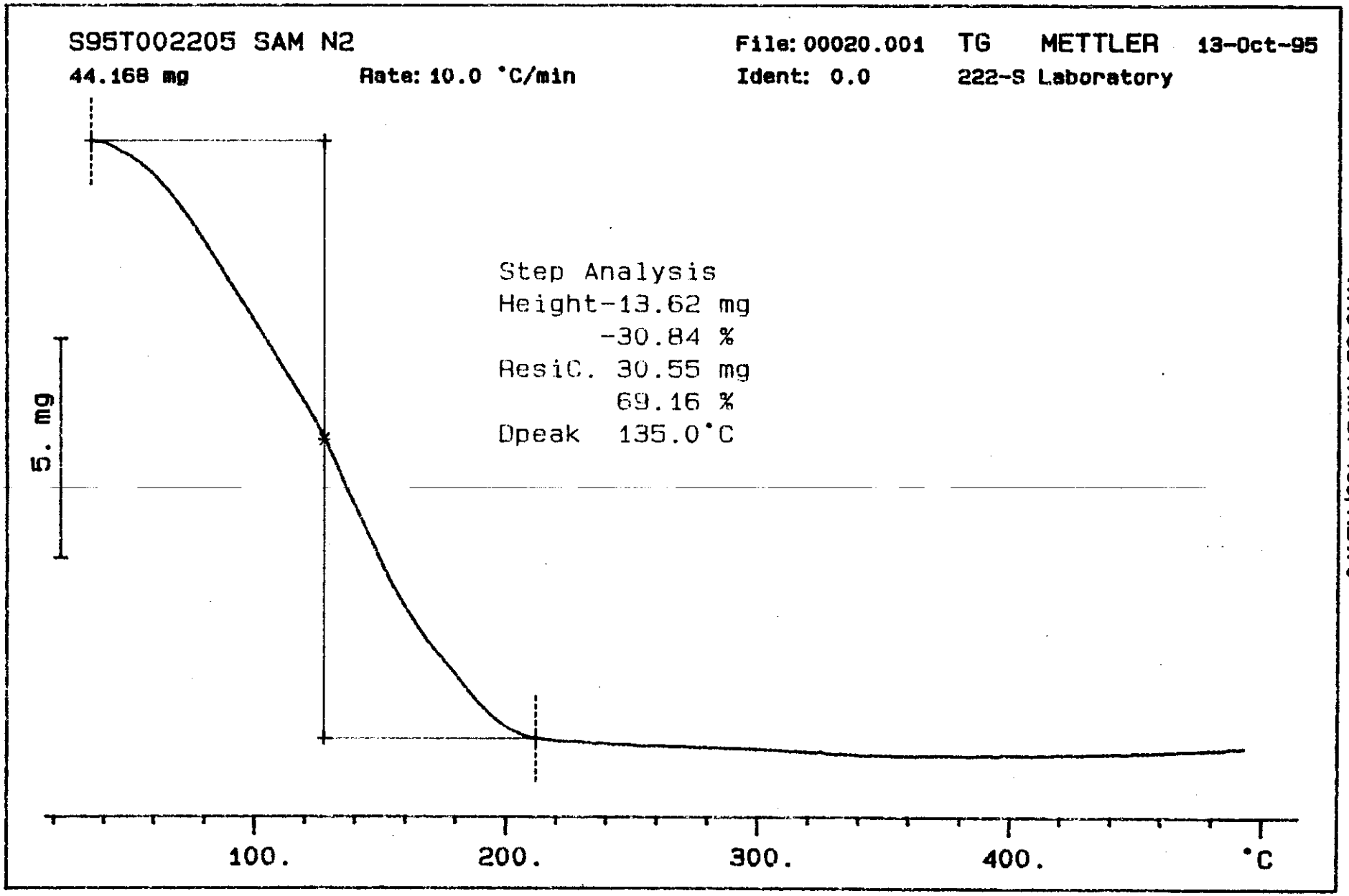
Ident: 0.0 222-S Laboratory



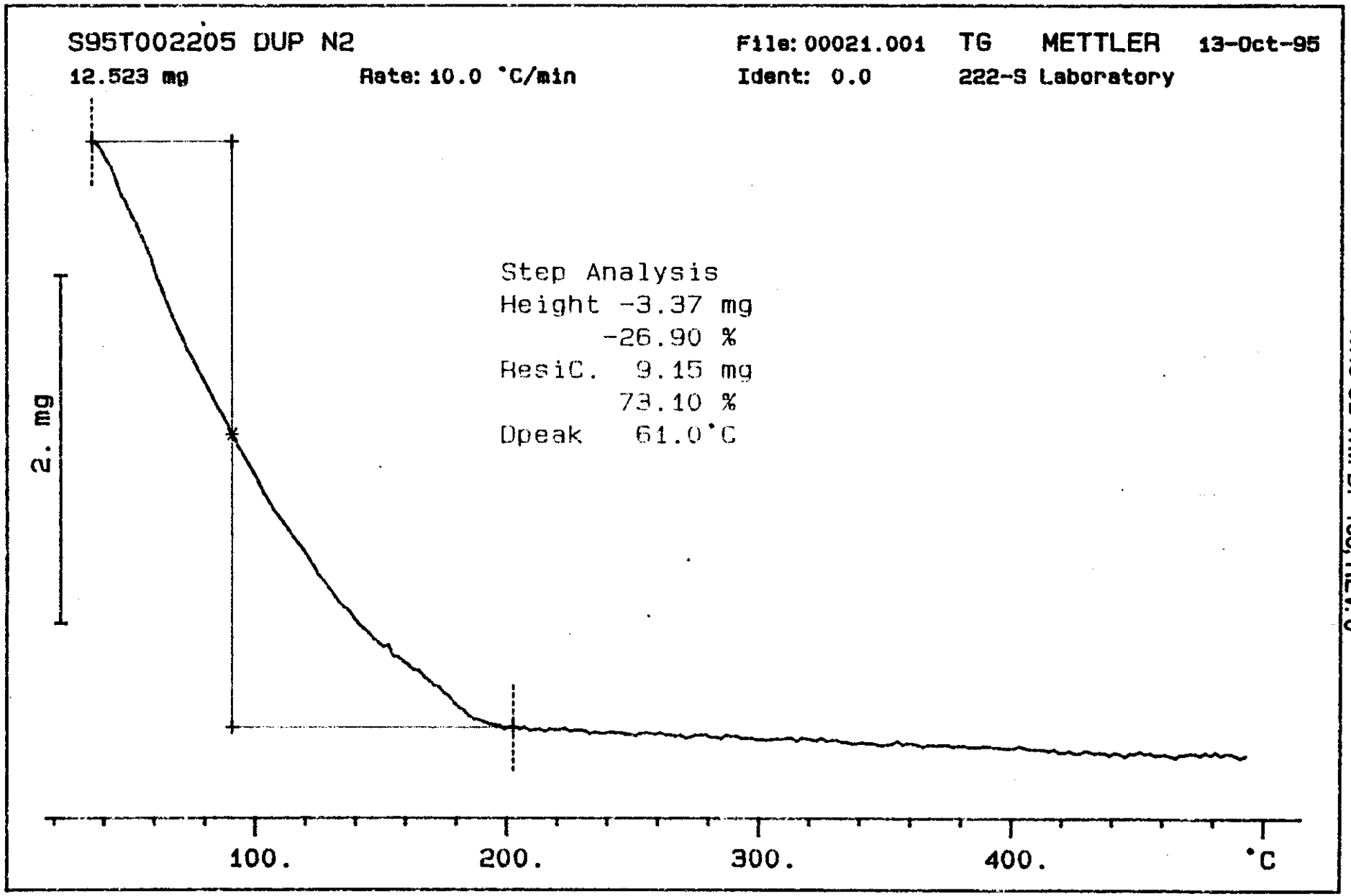
10-13-95

WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



BEST AVAILABLE COPY



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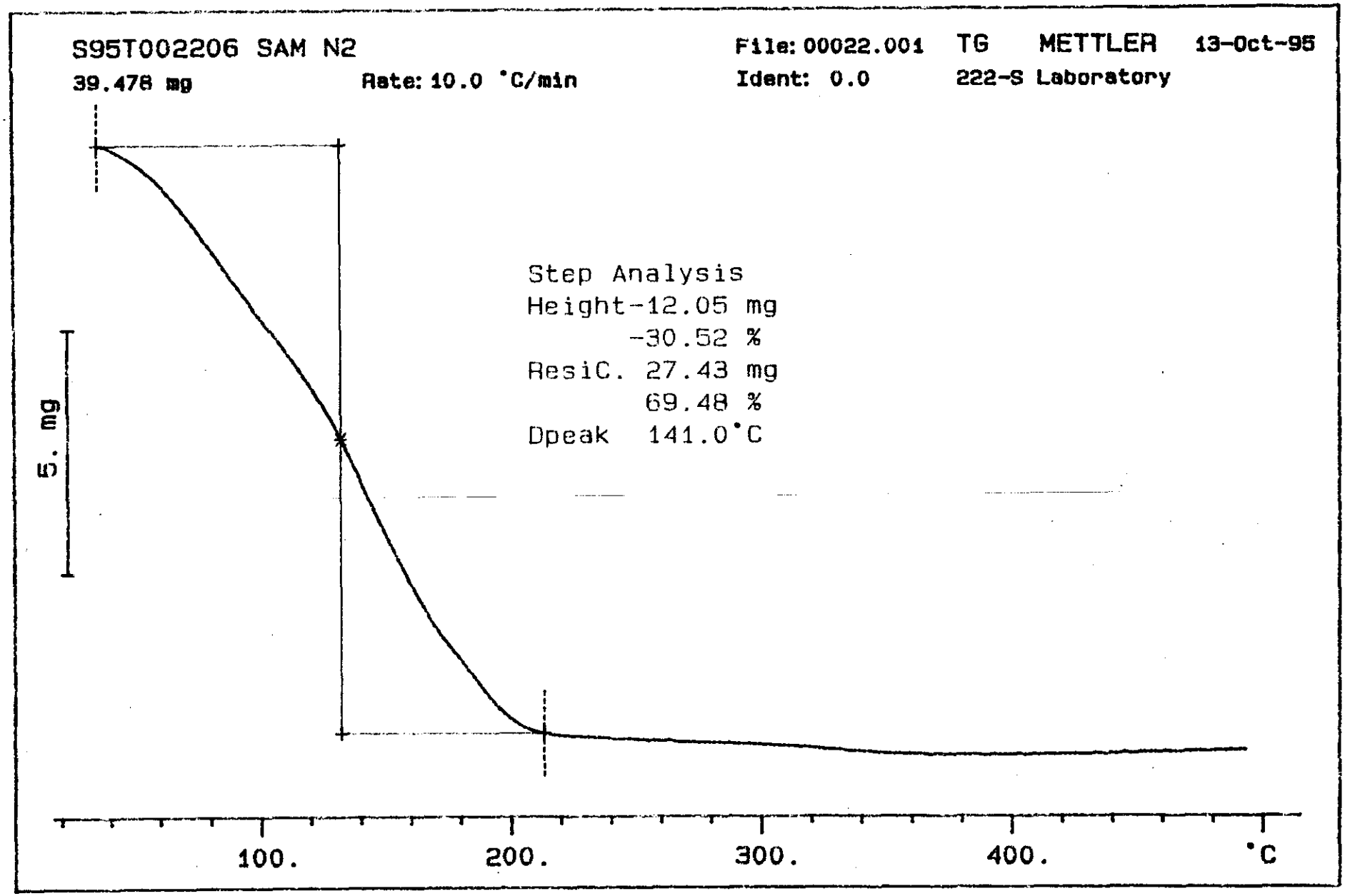

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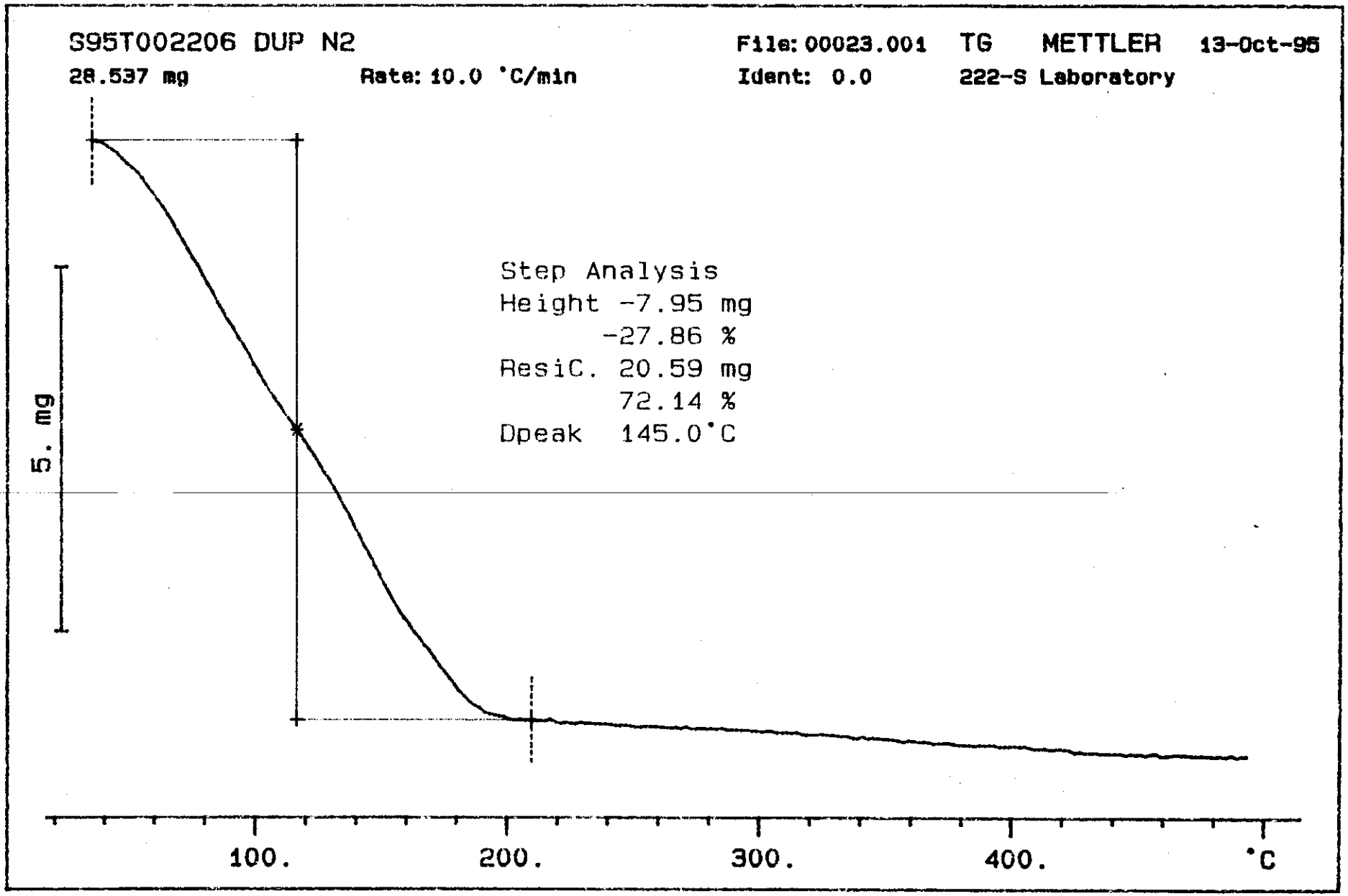


LABCORE Data Entry Template for Worklist# 2444

Analyst: PJM **Instrument:** TGA0 1 **Book #** b5N8A

Method: LA-560-112 Rev/Mod 8-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.13	N/A	%
95000110	BY-110	2	SAMPLE	S95T002207	0		TGA-01	SOLID	N/A	26.84		%
95000110	BY-110	3	DUP	S95T002207	0		TGA-01	SOLID	26.84	25.88	N/A	%
		4	STD				TGA-03	SOLID	59.74	60.53	N/A	%
95000110	BY-110	5	SAMPLE	S95T002208	0		TGA-03	SOLID	N/A	29.11		%
95000110	BY-110	6	DUP	S95T002208	0		TGA-03	SOLID	29.11	30.78	N/A	%

Final page for worklist # 2444

See attached for signatures
Analyst Signature **Date** 10-8-95

Verified by Blandina Valenzuela 10-10-95

[signature] 10-10-95
Analyst Signature **Date**

Data Entry Comments: S95T002207 produced a second weight loss step of 4.05% at approximately 430°C

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2444

Analyst: RJ McCann **Instrument:** TGA0 _____ **Book #** 65W8A

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000110	BY-110	2	SAMPLE	S95T002207	0		TGA-01	SOLID	N/A			%
95000110	BY-110	3	DUP	S95T002207	0		TGA-01	SOLID			N/A	%
95000110	BY-110	4	SAMPLE	S95T002208	0		TGA-01	SOLID	N/A			%
95000110	BY-110	5	DUP	S95T002208	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2444

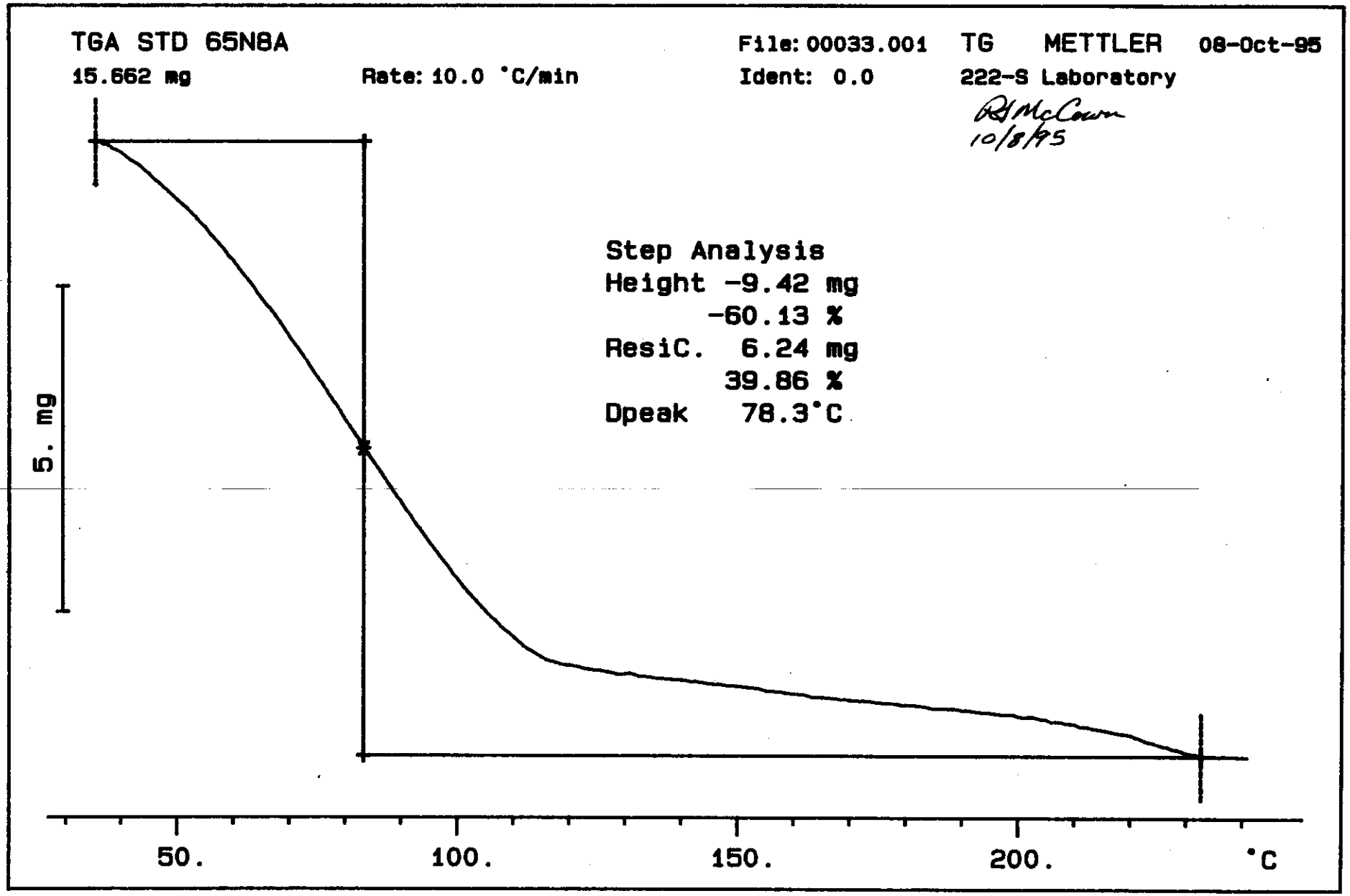
RJ McCann 10/8/95
Analyst Signature **Date**

Analyst Signature **Date**

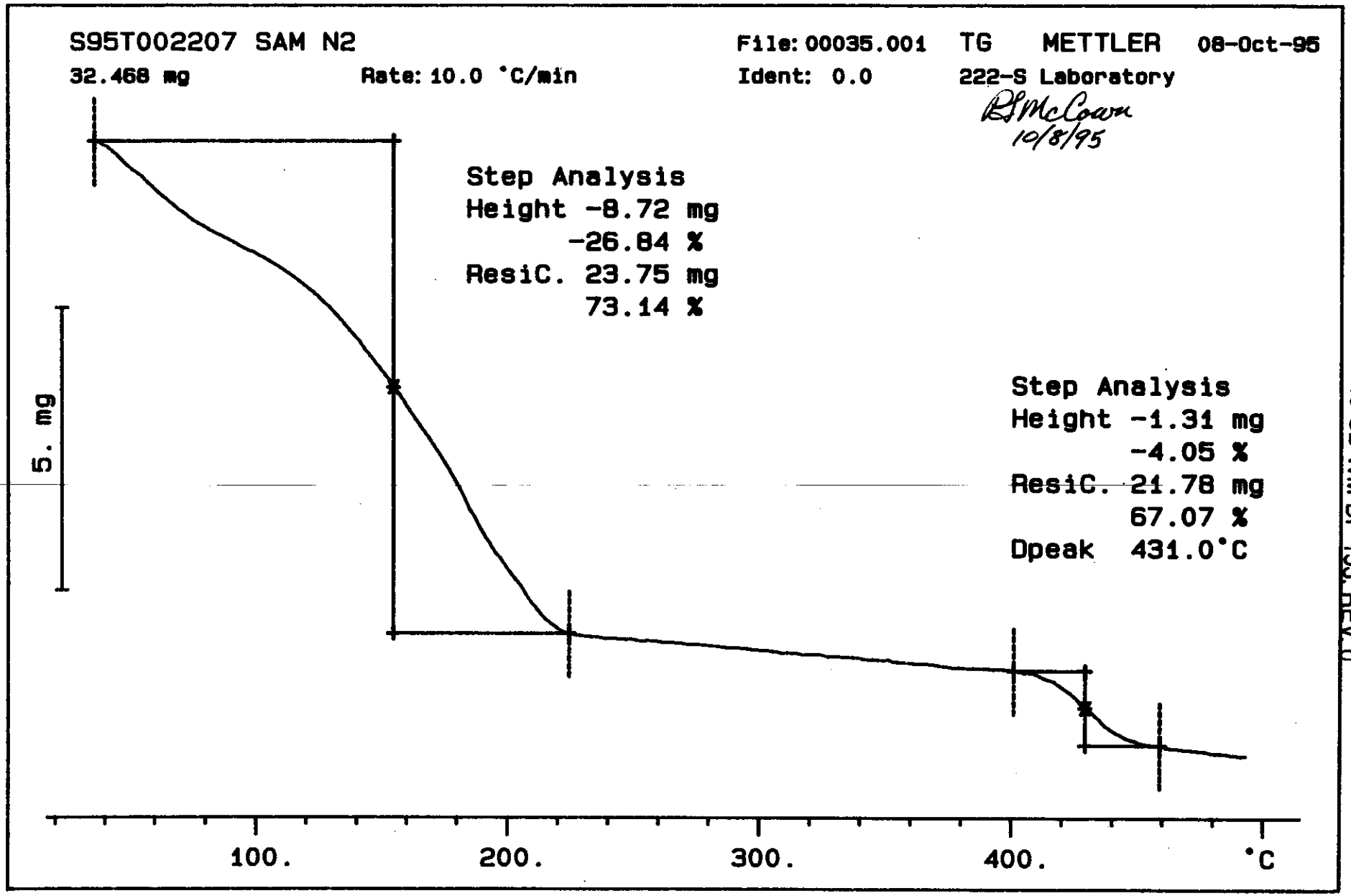
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

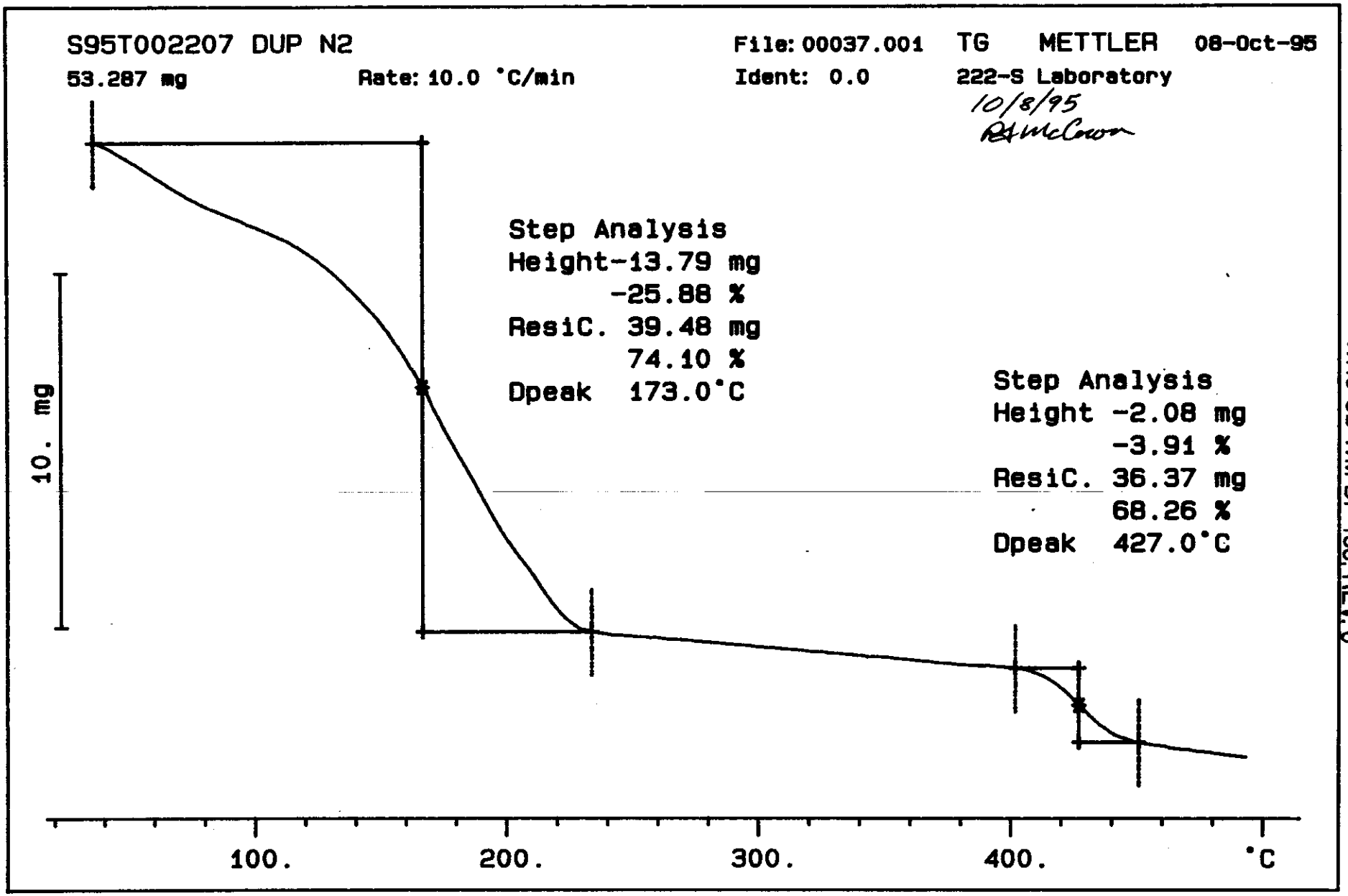
BEST AVAILABLE COPY



BEST AVAILABLE COPY

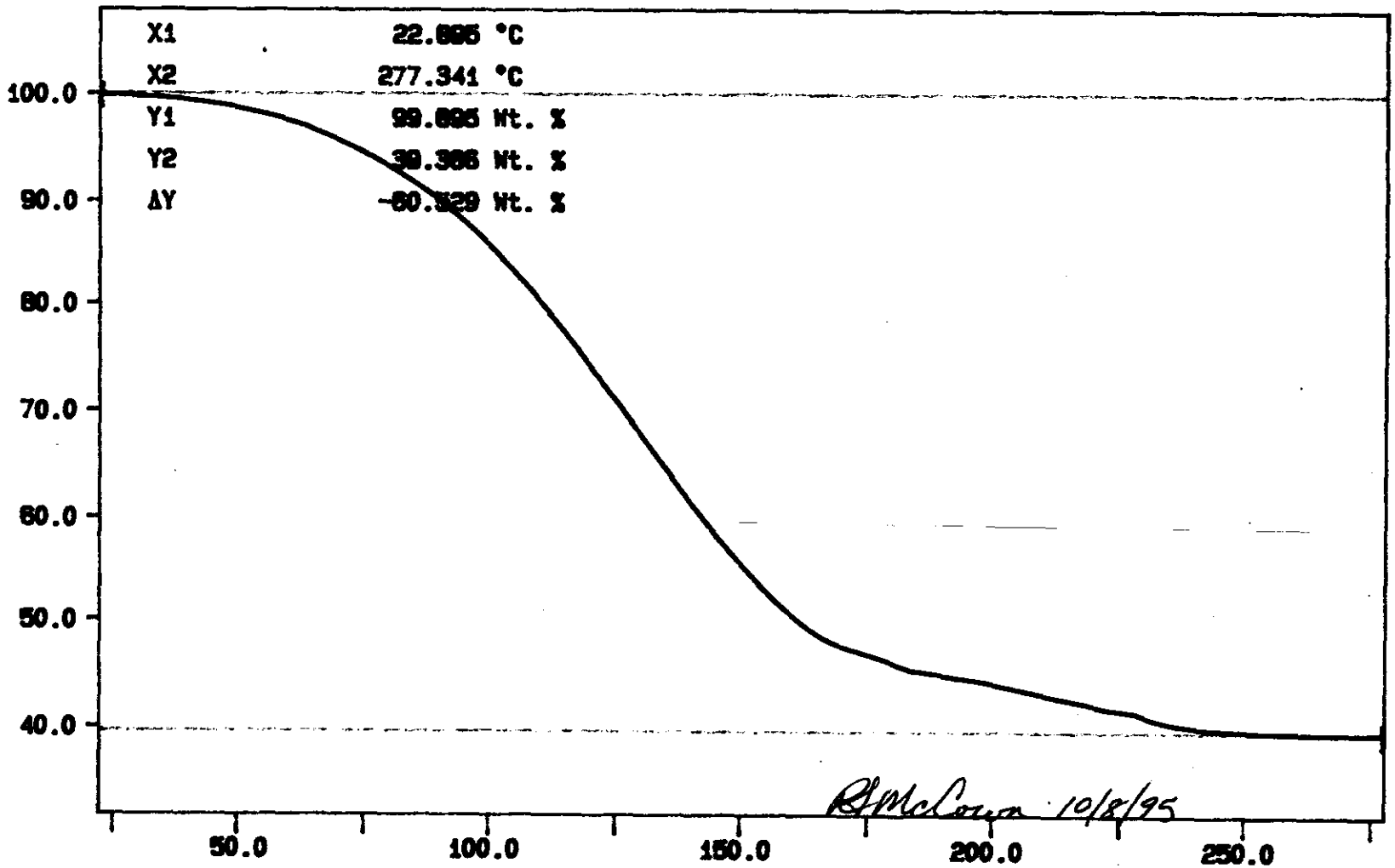


BEST AVAILABLE COPY



Curve 1: TGA
File info: TER100801 Sun Oct 8 01:00:06 1995
Sample Weight: 18.367 mg
85NB-A Terliq

BEST AVAILABLE COPY

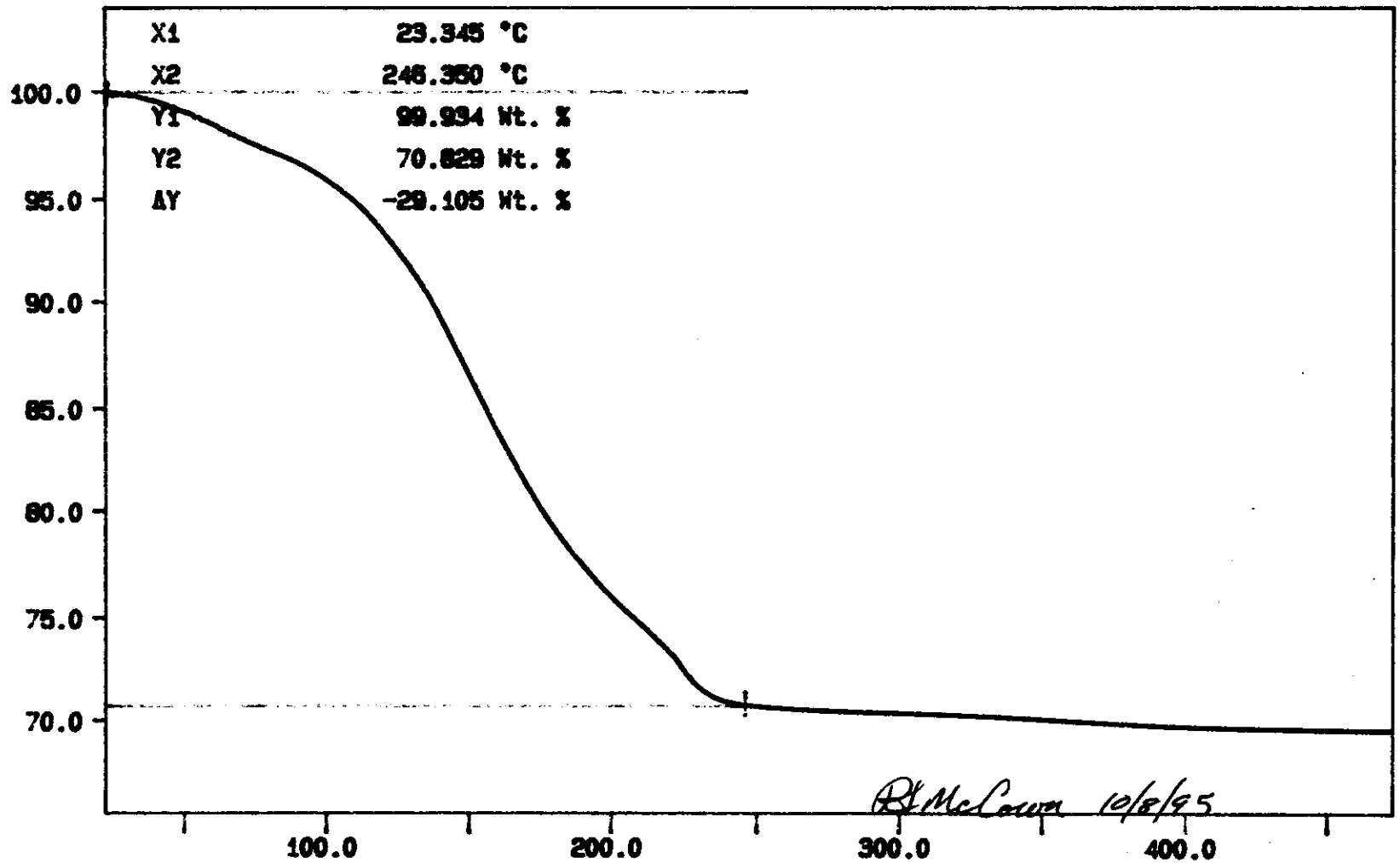


N2 10C/MIN
TEMP: 25.0 C TIME: 0.0 min RATE: 10.0 C/min

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Oct 8 01:36:14 1995

Curve 1: TGA
File info: SAM100801 Sun Oct 8 02:49:40 1995
Sample Weight: 29.103 mg
S95T002208 SAM

BEST AVAILABLE COPY

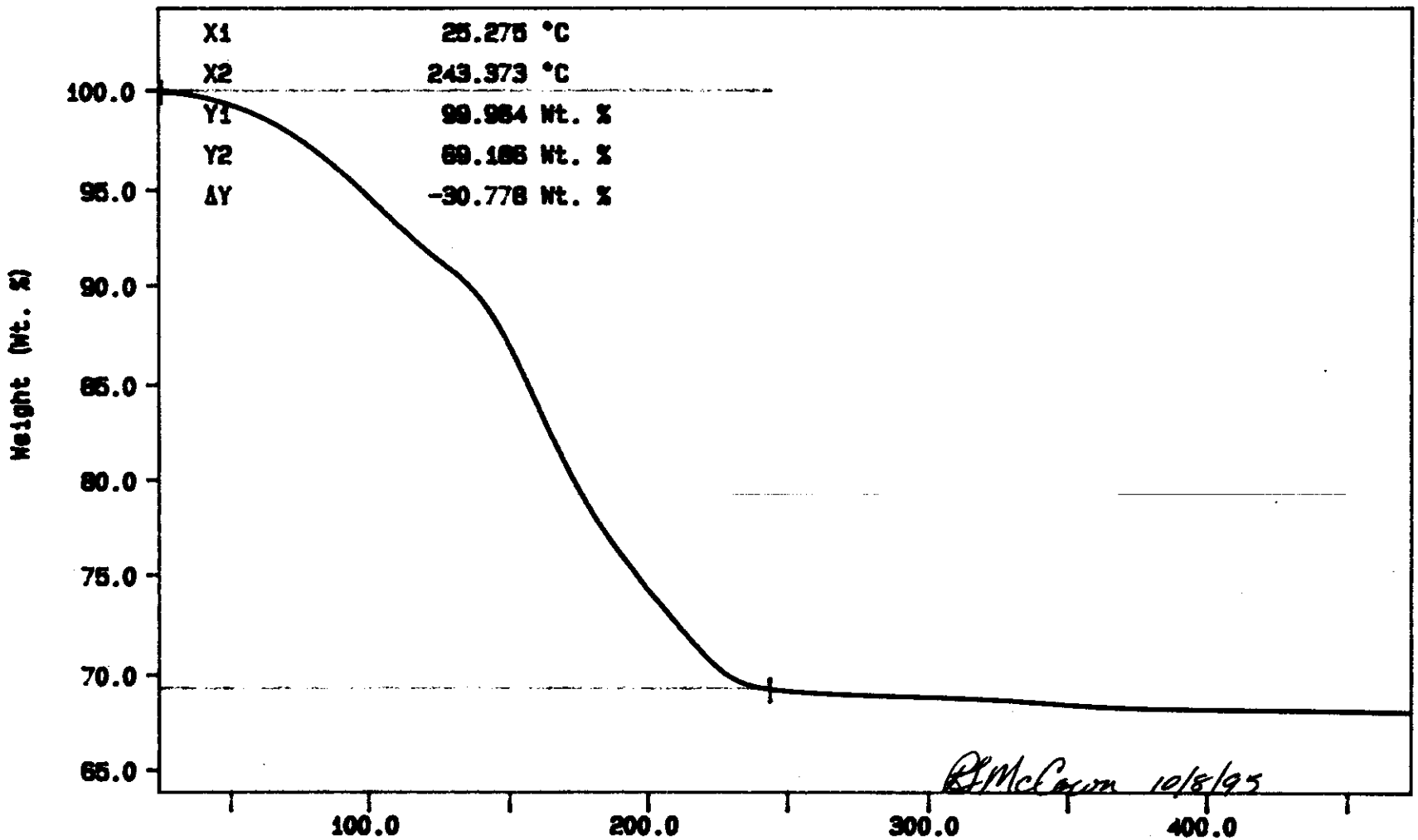


N2
TEMP: 35.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 400.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Oct 8 03:10:53 1995

Curve 1: TGA
File info: SAM100802 Sun Oct 8 04:08:21 1995
Sample Weight: 20.252 mg
S95T002208 DUP

BEST AVAILABLE COPY



N2
TEMP: 25.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 400.0 C

PJ MCCOMN
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Oct 8 05:12:44 1995

LABCORE Data Entry Template for Worklist# 2445

Analyst: SMF **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.19	N/A	%
95000110	BY-110	2	SAMPLE	S95T002209	0		TGA-01	SOLID	N/A	43.46		%
95000110	BY-110	3	DUP	S95T002209	0		TGA-01	SOLID	43.46	44.02	N/A	%
95000110	BY-110	4	SAMPLE	S95T002210	0		TGA-01	SOLID	N/A	24.65		%
95000110	BY-110	5	DUP	S95T002210	0		TGA-01	SOLID	24.65	26.26	N/A	%

Final page for worklist # 2445

Susie M. Fulton 10.15.95 1545
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-18-95

Tom D Mc 10/17/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 731 TO 735 LAD 10-31-95

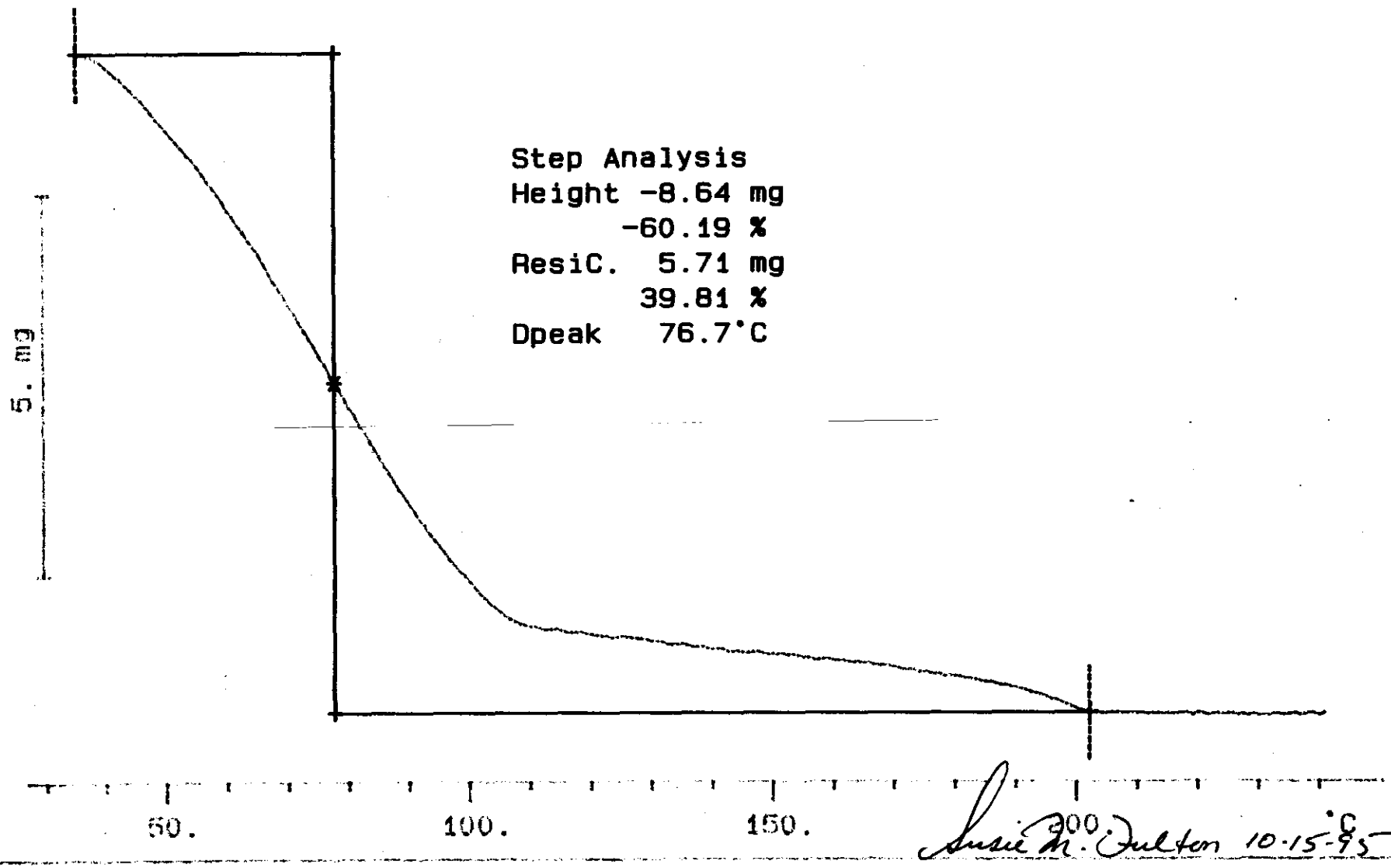
TGA STD 65NBA

14.354 mg

Rate: 10.0 °C/min

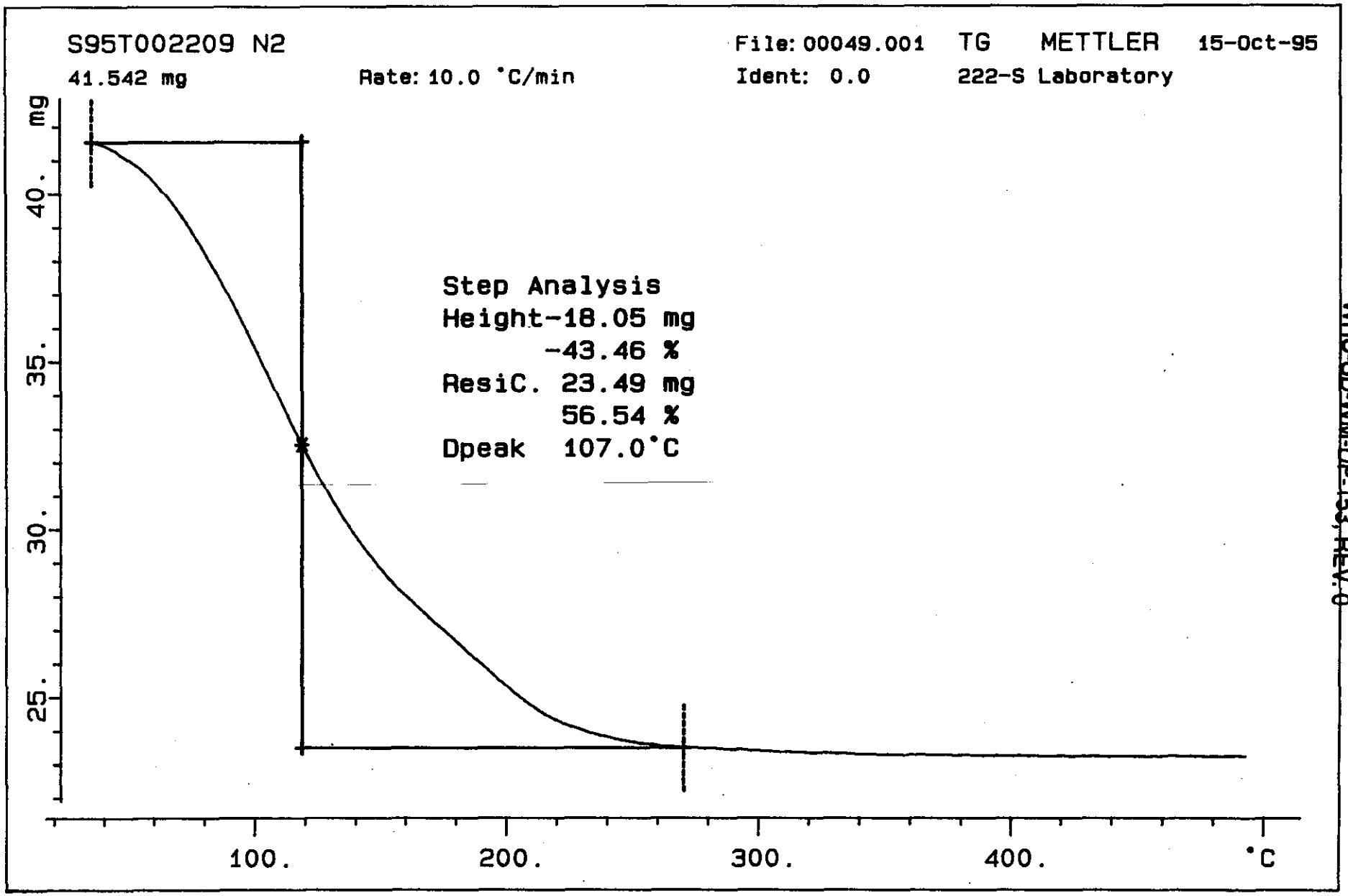
File: 00043.001 TG METTLER 15-Oct-95

Ident: 0.0 222-S Laboratory



Susie M. Fulton 10-15-95

BEST AVAILABLE COPY



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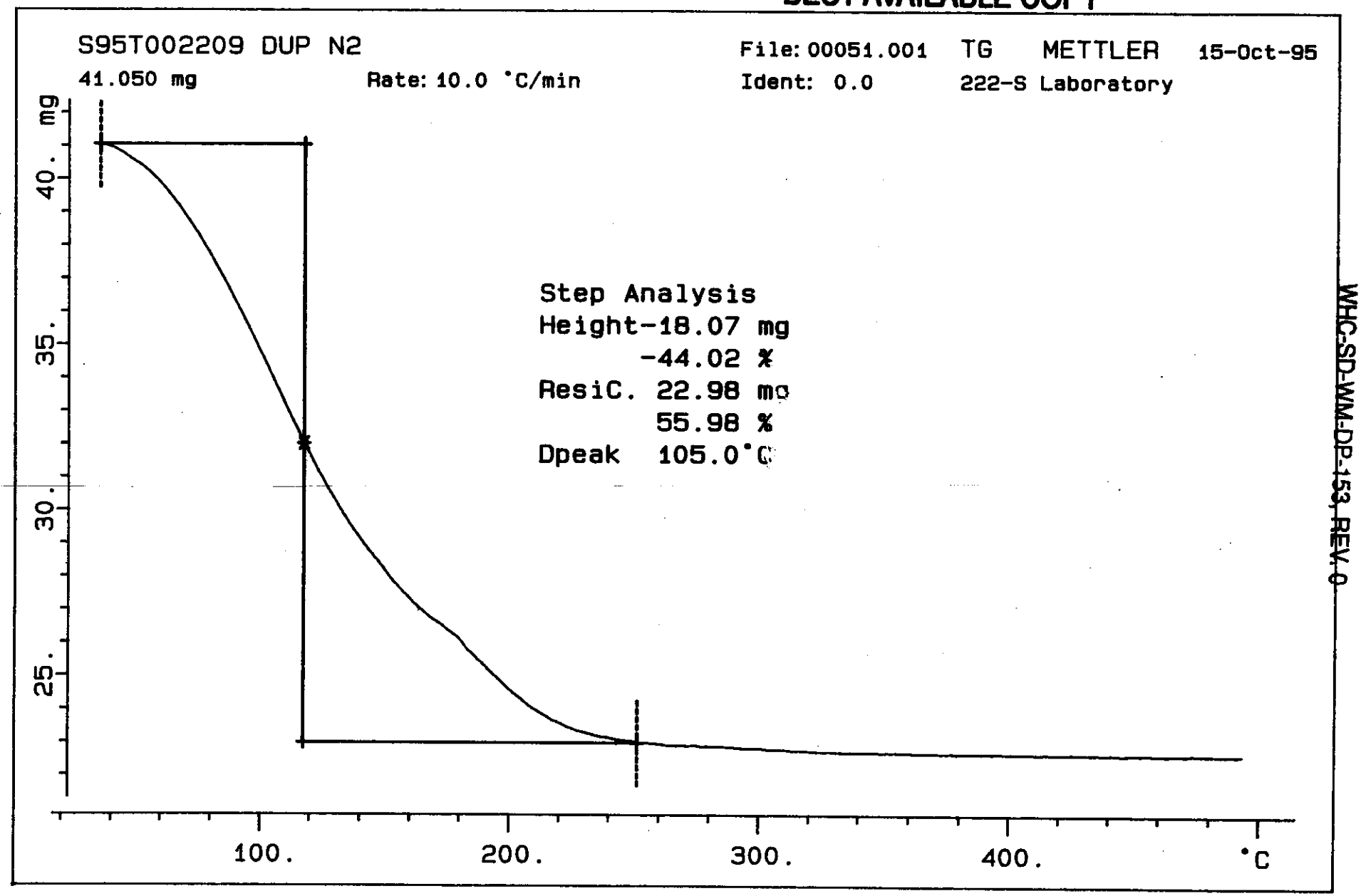

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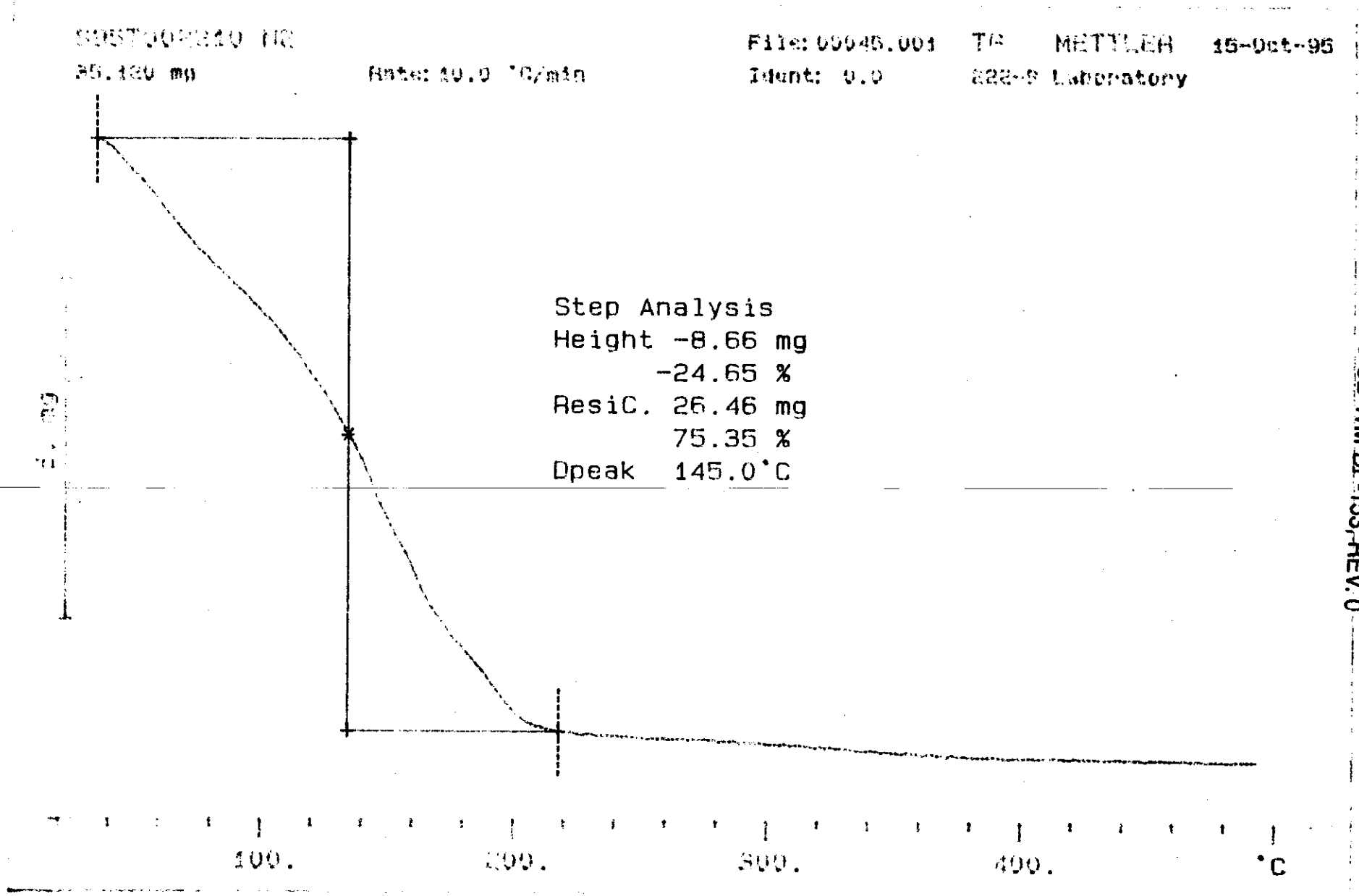

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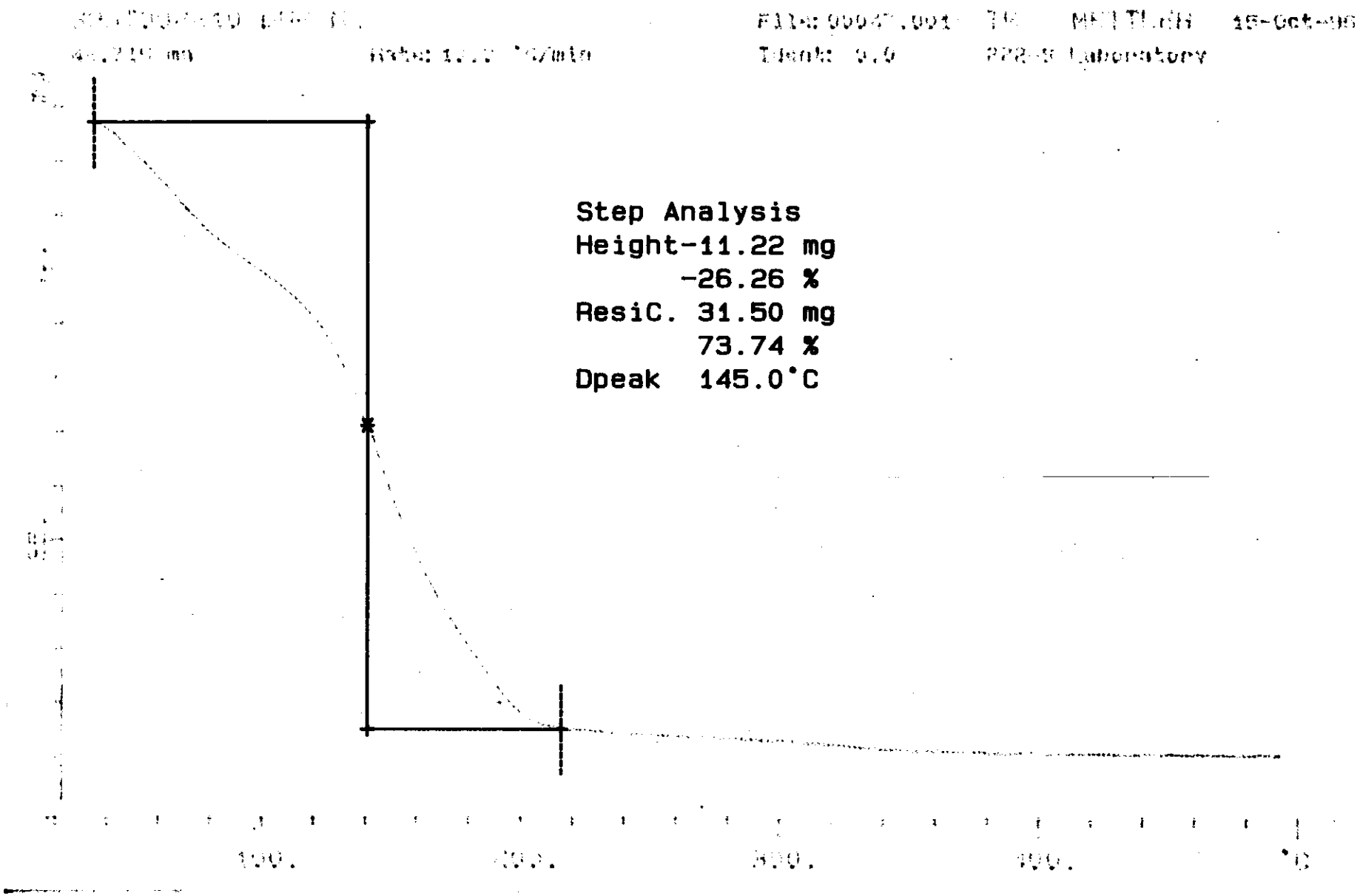


LABCORE Data Entry Template for Worklist# 2446

Analyst: JDP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod 30

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.33	N/A	%
95000110	BY-110	2	SAMPLE	S95T002211	0		TGA-01	SOLID	N/A	37.51		%
95000110	BY-110	3	DUP	S95T002211	0		TGA-01	SOLID	37.51	36.03	N/A	%
95000110	BY-110	4	SAMPLE	S95T002212	0		TGA-01	SOLID	N/A	13.01		%
95000110	BY-110	5	DUP	S95T002212	0		TGA-01	SOLID	13.01	12.94	N/A	%

Final page for worklist # 2446

Cathy Parnell 10-17-95
Analyst Signature **Date**

Tom Nitsch 10/20/95
Analyst Signature **Date**

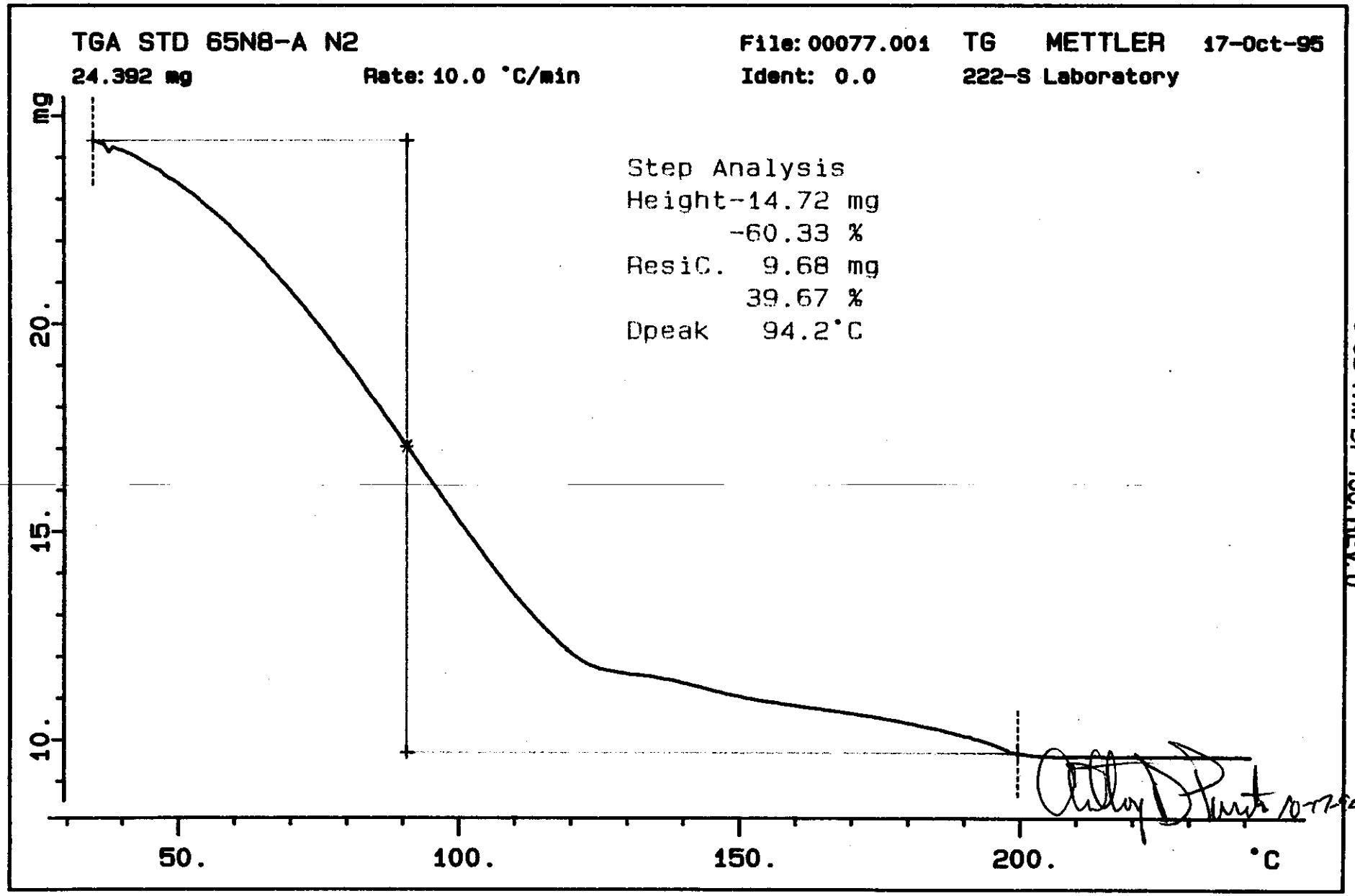
Verified by Blandina Valenzuela 10/23/95

Data Entry Comments: S95T002212 produced a second weight loss step of 19.36% at approximately 160°C.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 737 TO 741.



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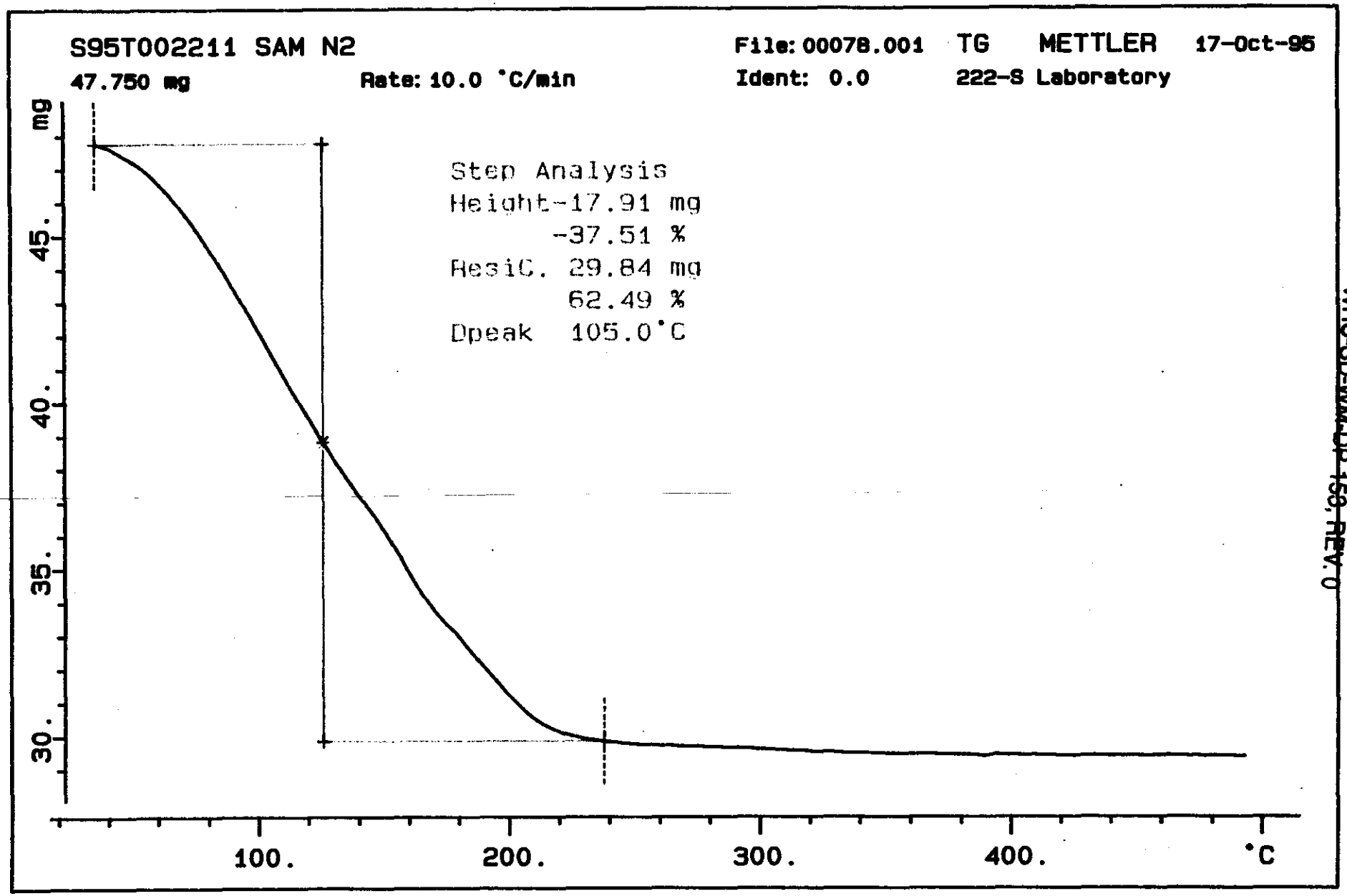

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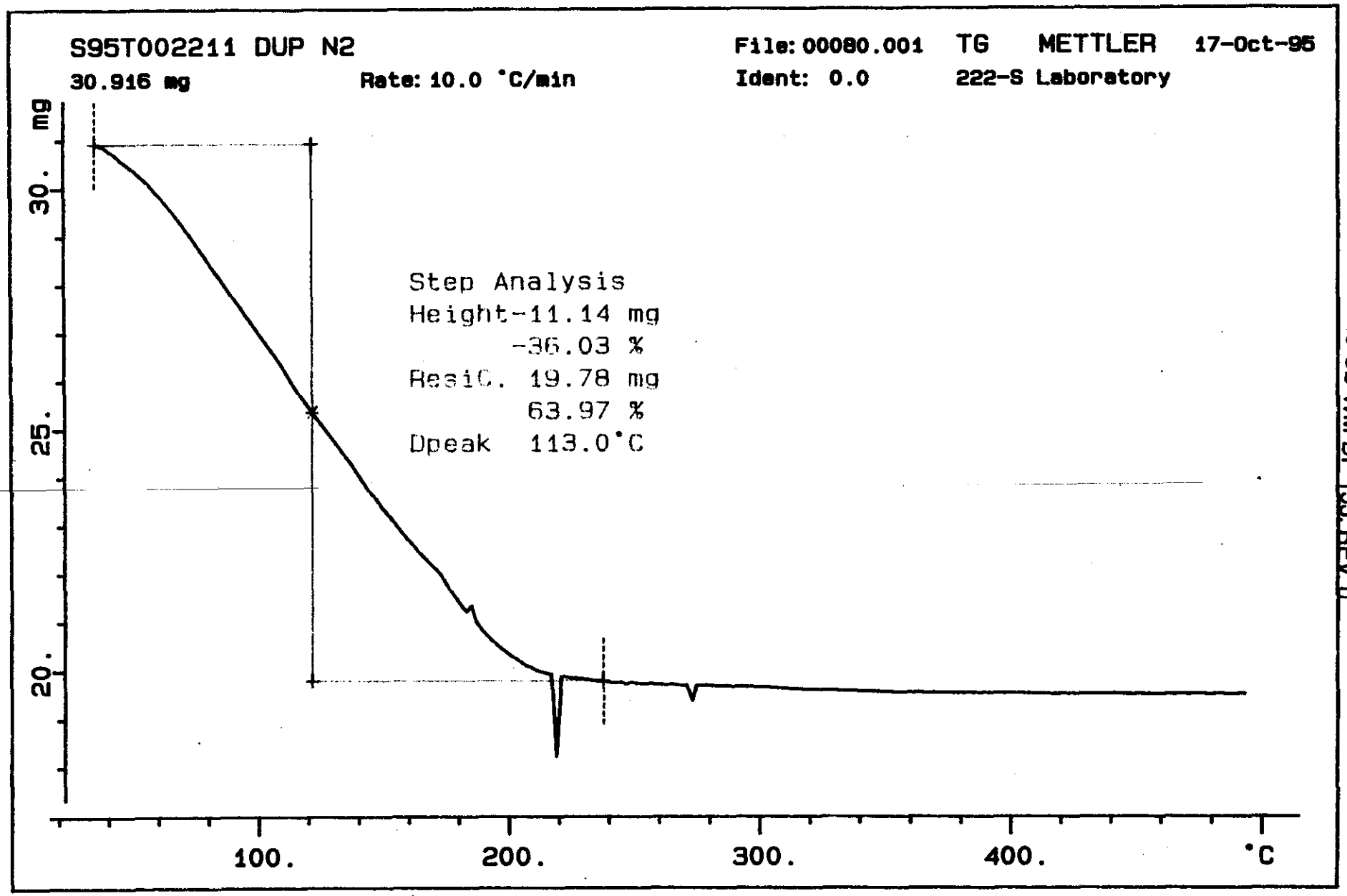

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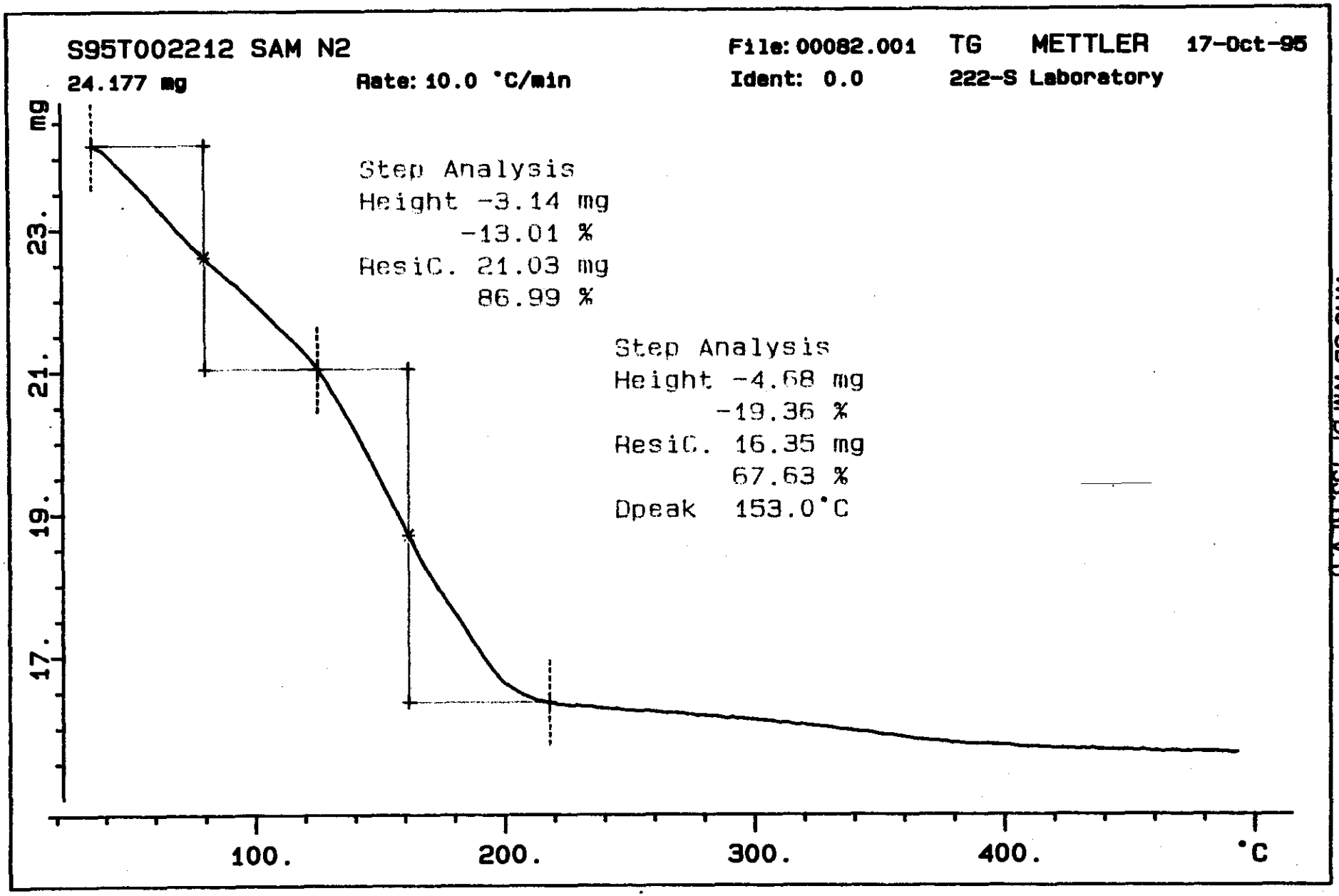
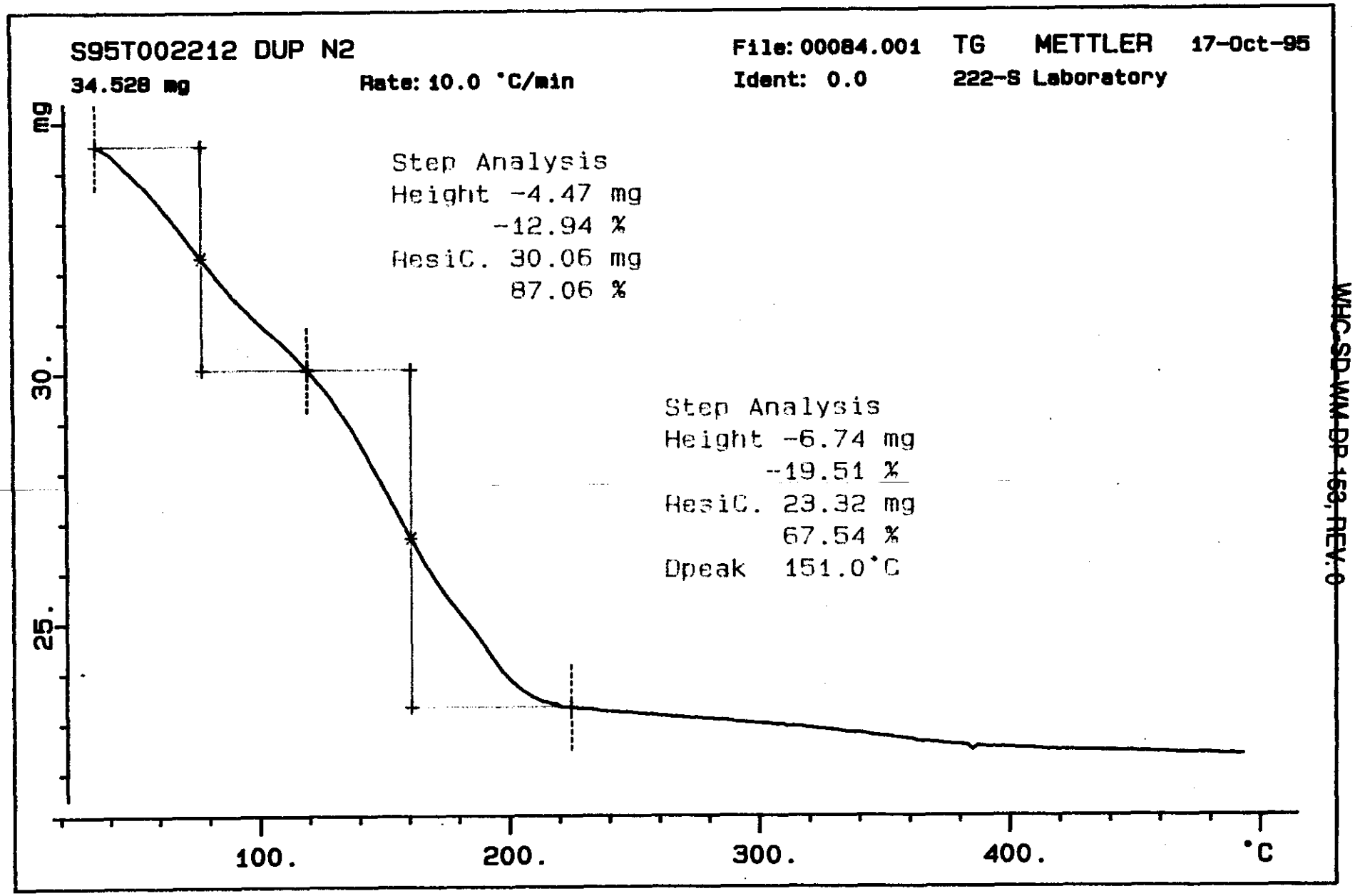


WHC-SD-WM-DP-153, REV. 0

BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2447

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-03	SOLID	59.74	57.81	N/A	%
95000110	BY-110	2 SAMPLE	S95T002213	0		TGA-03	SOLID	N/A	Ø		%
95000110	BY-110	3 DUP	S95T002213	0		TGA-03	SOLID	Ø	5.22	N/A	%
95000110	BY-110	4 SAMPLE	S95T002214	0		TGA-03	SOLID	N/A	25.29		%
95000110	BY-110	5 DUP	S95T002214	0		TGA-03	SOLID	25.29	Ø	N/A	%

Final page for worklist # 2447

BD Valenzuela for JDS
Analyst Signature **Date** 10-16-95
Verified by Blandina Valenzuela 10-18-95

Tom D[illegible] 10/17/95
Analyst Signature **Date**

S95T002213 produced two additional weight loss steps of 22.19% 10-16-95 and 10-16-95 1.33%

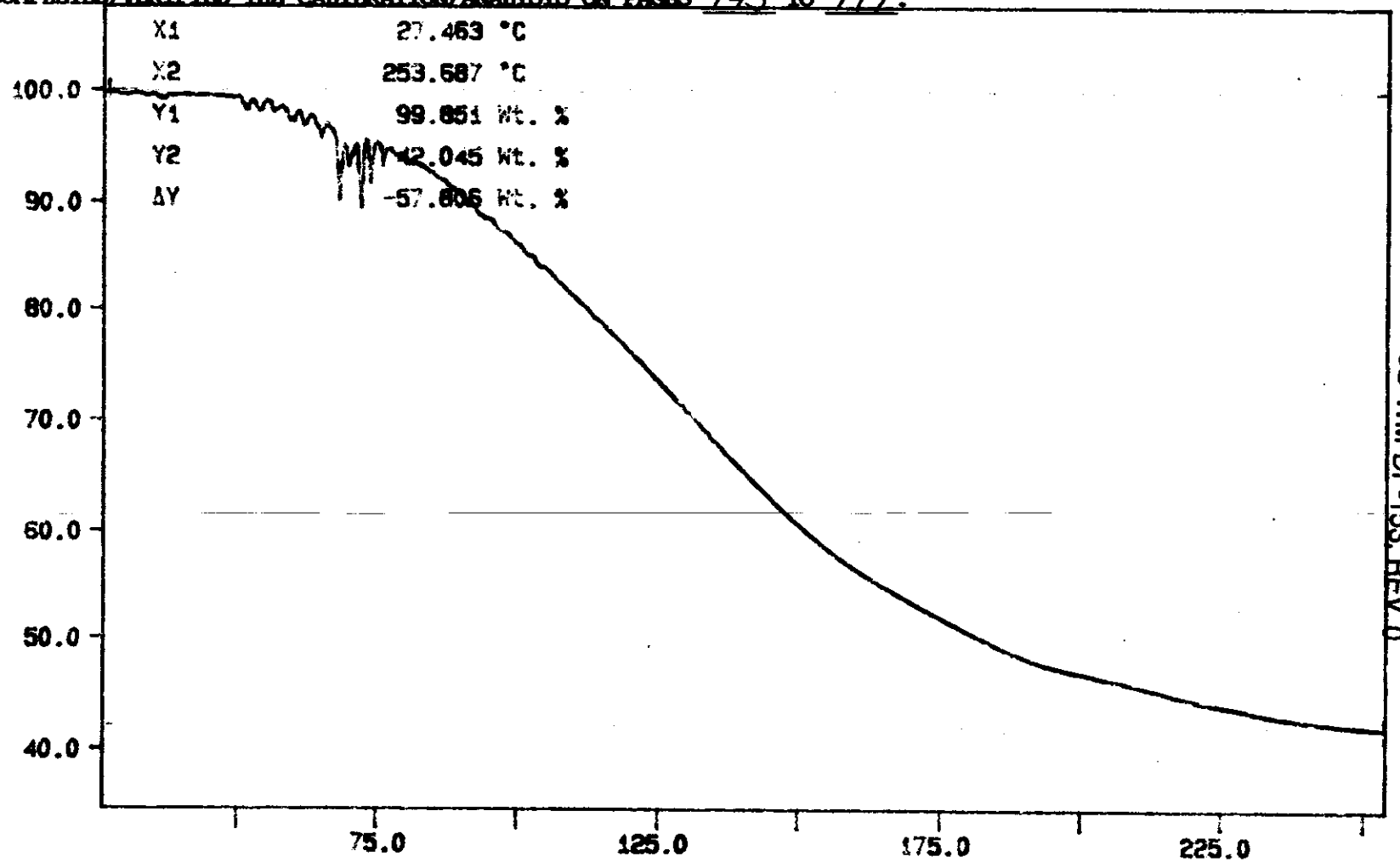
Data Entry Comments: S95T002214 sample did not begin to lose weight until approximately 80°C this is not concurrent with the loss of water however the weight loss closest to 100-120°C was reported. The sample also produced a second weight loss step of 3.68%

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER101101 Wed Oct 11 08:27:51 1995
Sample Weight: 25.791 mg
65:8-A Terliq

BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 743 TO 747.

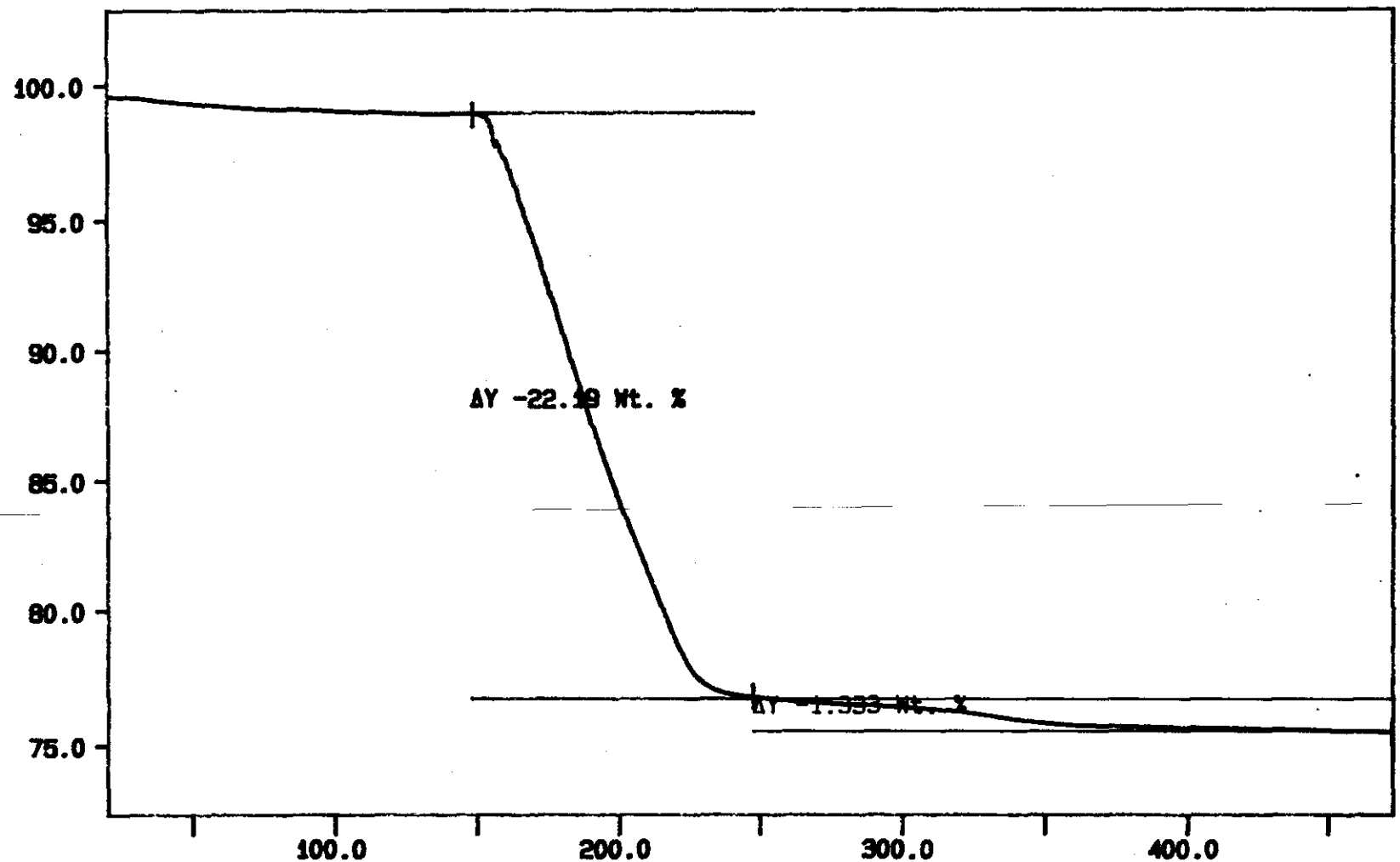


N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 270.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 11 08:30:28 1995

Curve 1: TGA
File info: SAM101101 Wed Oct 11 09:52:21 1995
Sample Weight: 28.761 mg
S95T002213

BEST AVAILABLE COPY

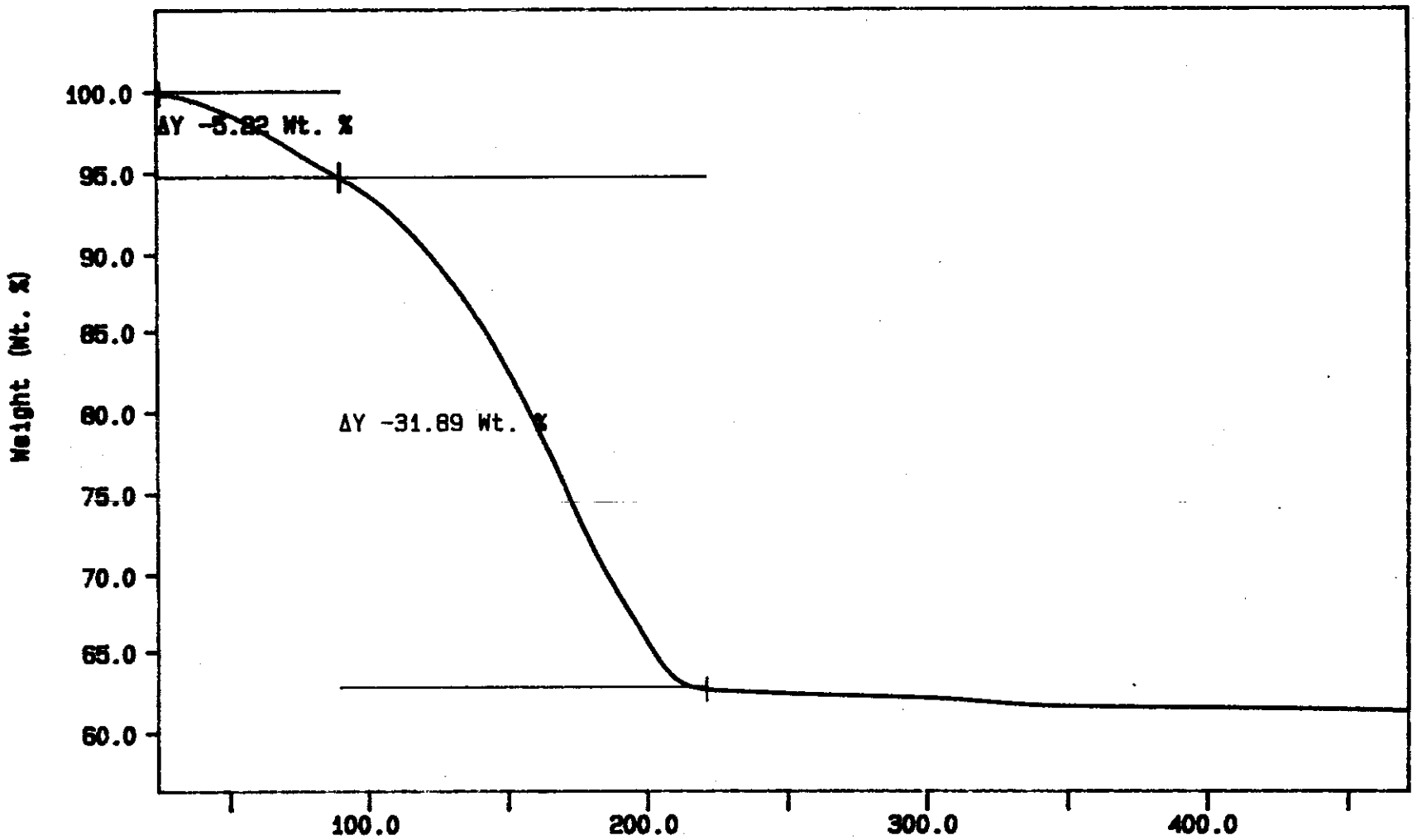


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 16 14:17:58 1995

Curve 1: TGA
File info: SAM101102 Wed Oct 11 12:18:31 1995
Sample Weight: 20.921 mg
S95T002213DUP

BEST AVAILABLE COPY

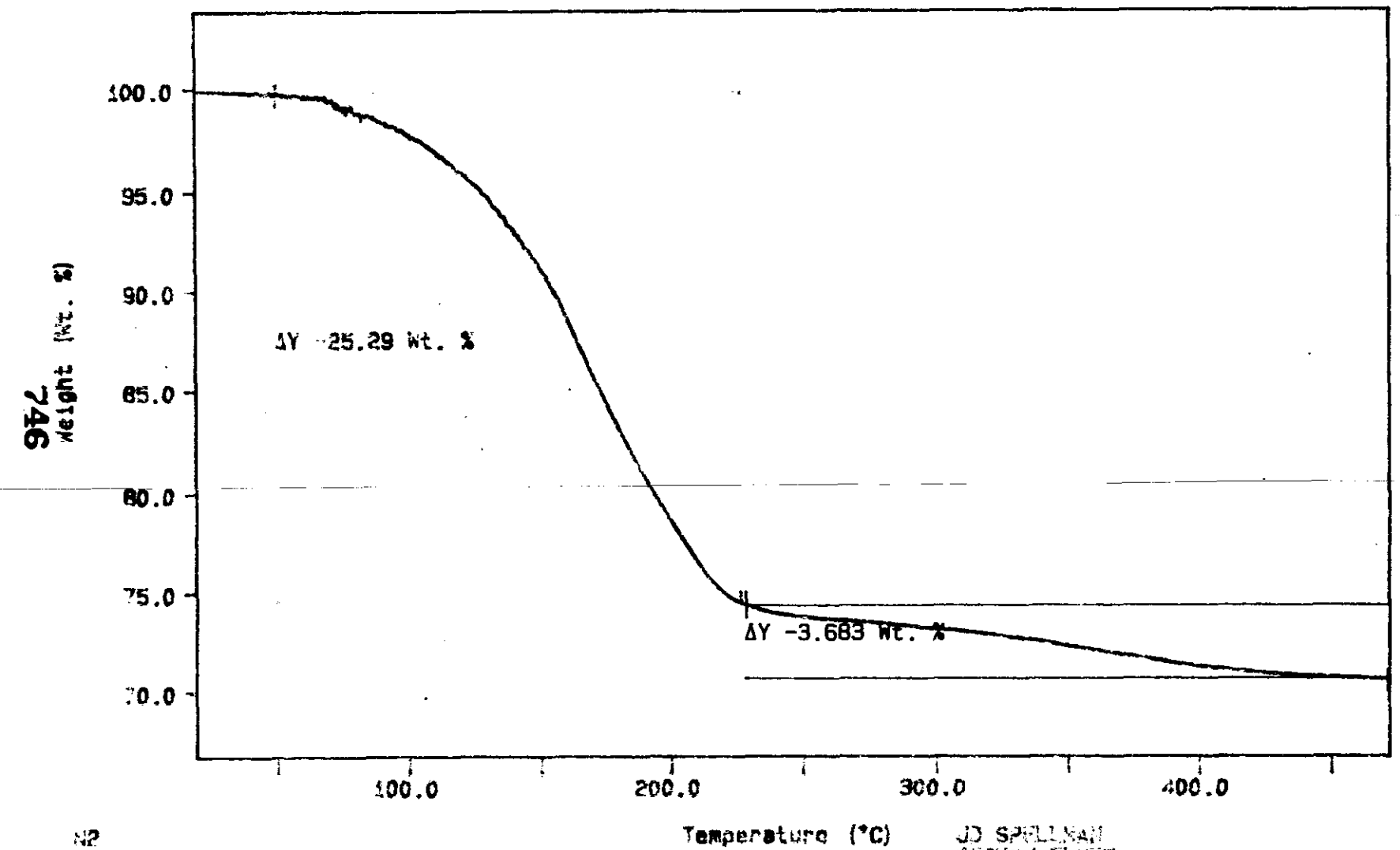


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 650.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 16 14:02:37 1995

Curve 1: TGA
File info: SAM101103 Wed Oct 11 14:22:09 1995
Sample Weight: 31.800 mg
S95T002214

BEST AVAILABLE COPY

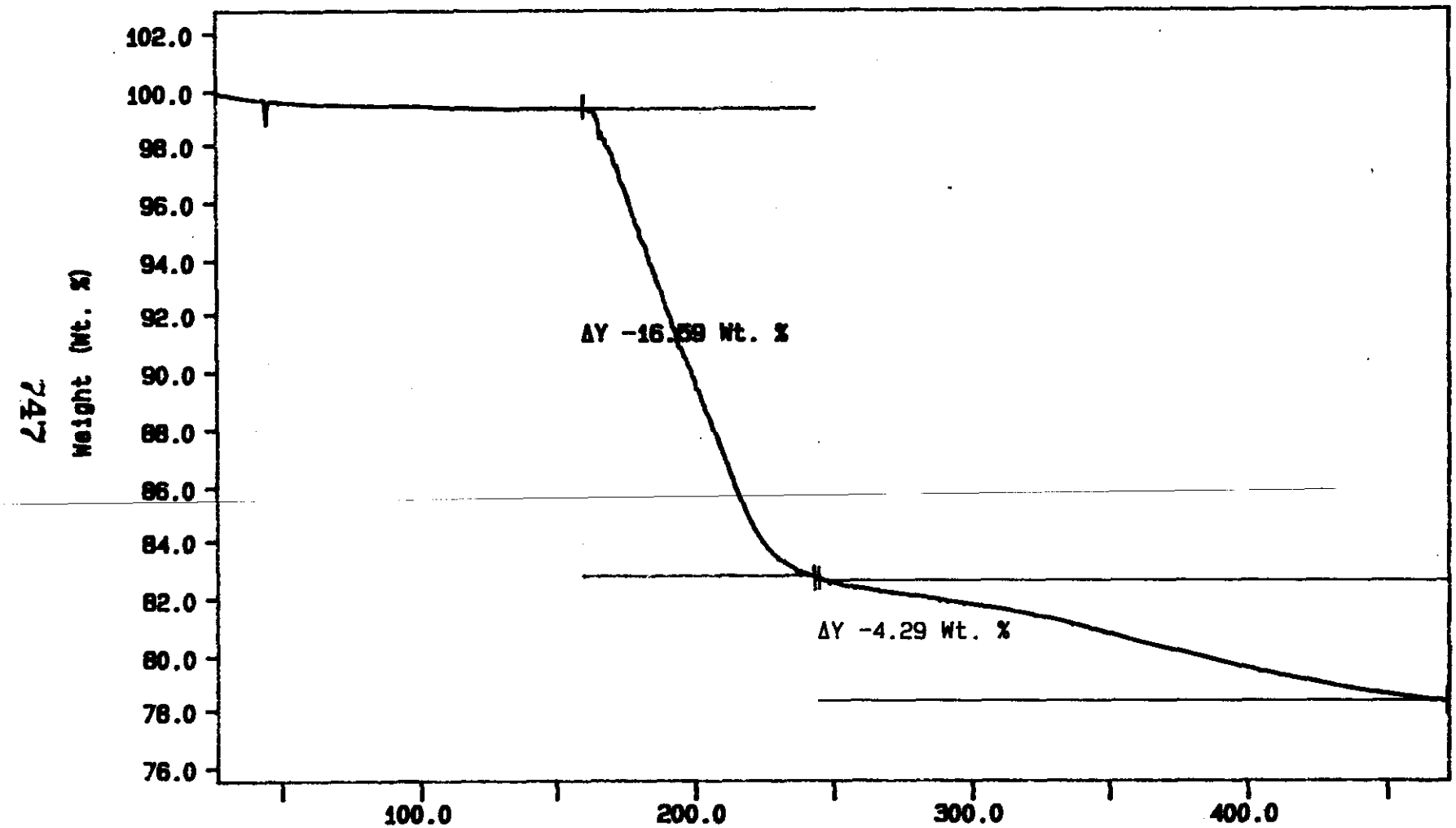


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 11 14:47:28 1995

Curve 1: TGA
File info: SAM101105 Wed Oct 11 15:39:52 1995
Sample Weight: 28.173 mg
S95T002214DUP

BEST AVAILABLE COPY



N2
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Oct 16 14:30:10 1995

LABCORE Data Entry Template for Worklist# 2448

Analyst: DCD **Instrument:** TGA0 1 **Book #** 65N8-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.03	N/A	%
95000110	BY-110	2	SAMPLE	S95T002215	0		TGA-01	SOLID	N/A	27.21		%
95000110	BY-110	3	DUP	S95T002215	0		TGA-01	SOLID	27.21	25.44	N/A	%
95000110	BY-110	4	SAMPLE	S95T002216	0		TGA-01	SOLID	N/A	28.41		%
95000110	BY-110	5	DUP	S95T002216	0		TGA-01	SOLID	28.41	31.37	N/A	%

Final page for worklist # 2448

David C Dunham 10-4-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

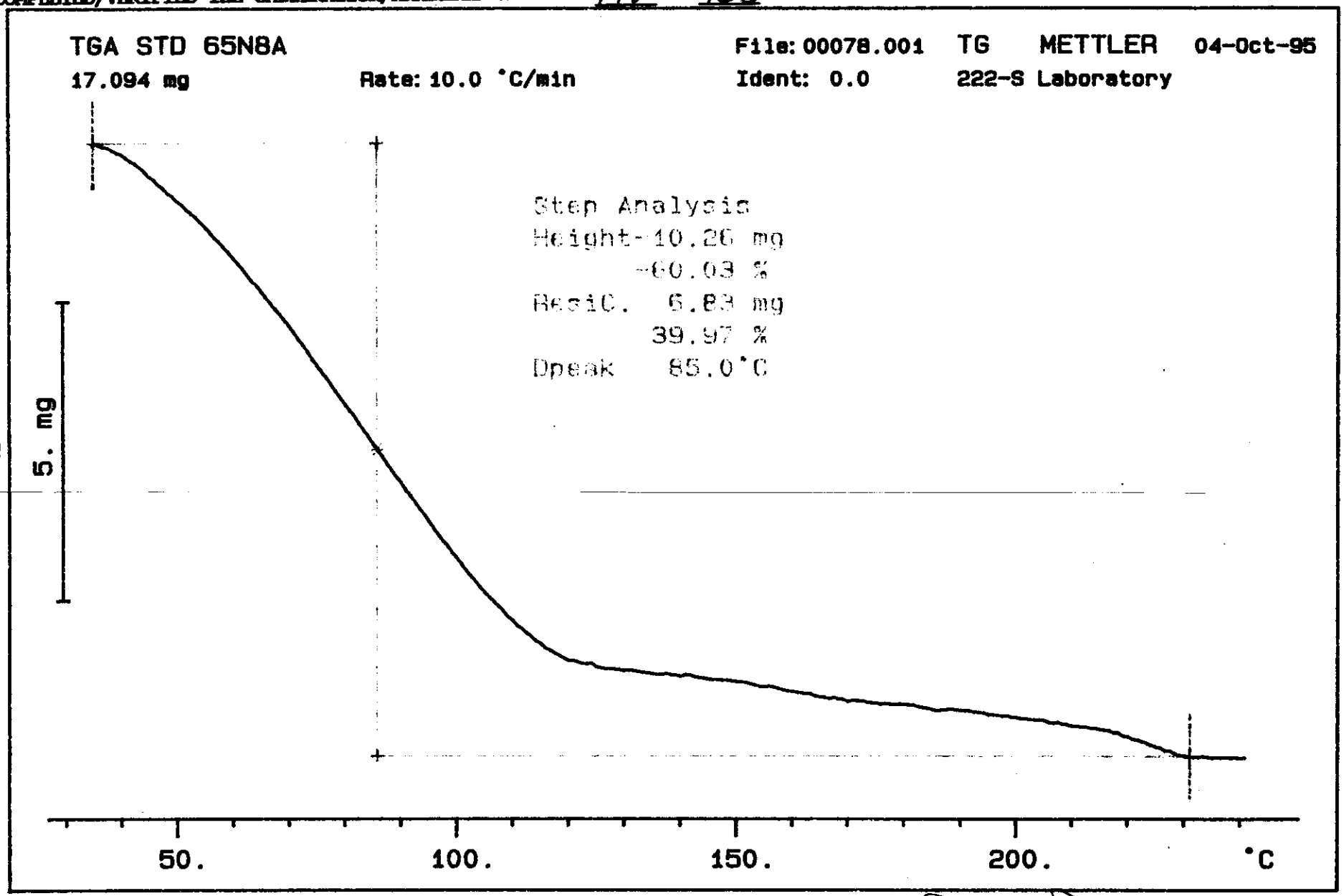
[illegible] 10-9-95
Analyst Signature **Date**

Data Entry Comments: S95T002215 continuously lost weight from 35°C - 250°C with no definate change in slope making it difficult to put an end point around 130°C.
S95T002216 continuously lost weight from 35°C - 250°C with no definate change in slope making it difficult to put an end point around 130°C.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

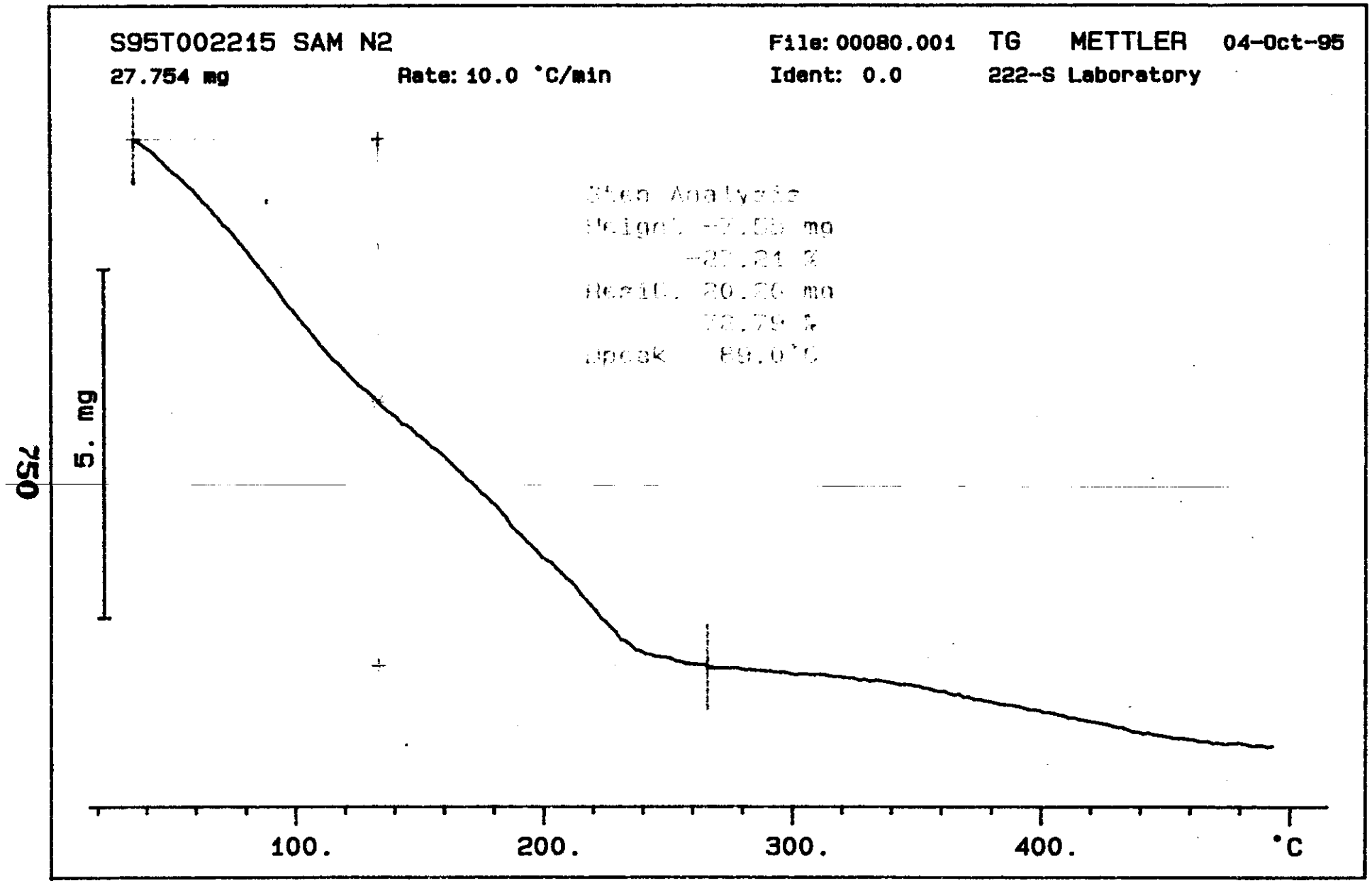
BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 748 TO 753.



David C. Dunham 10-4-95

BEST AVAILABLE COPY



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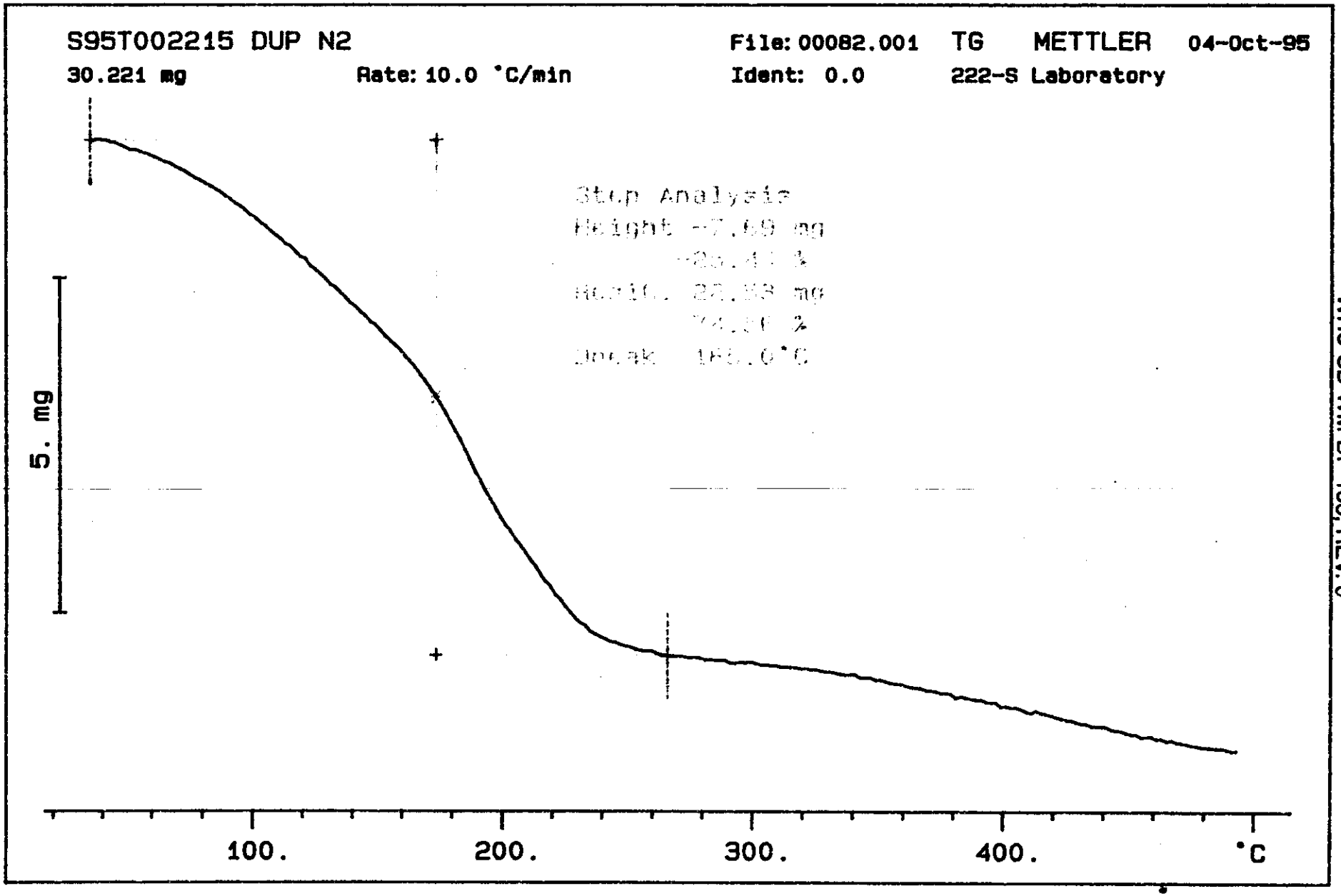

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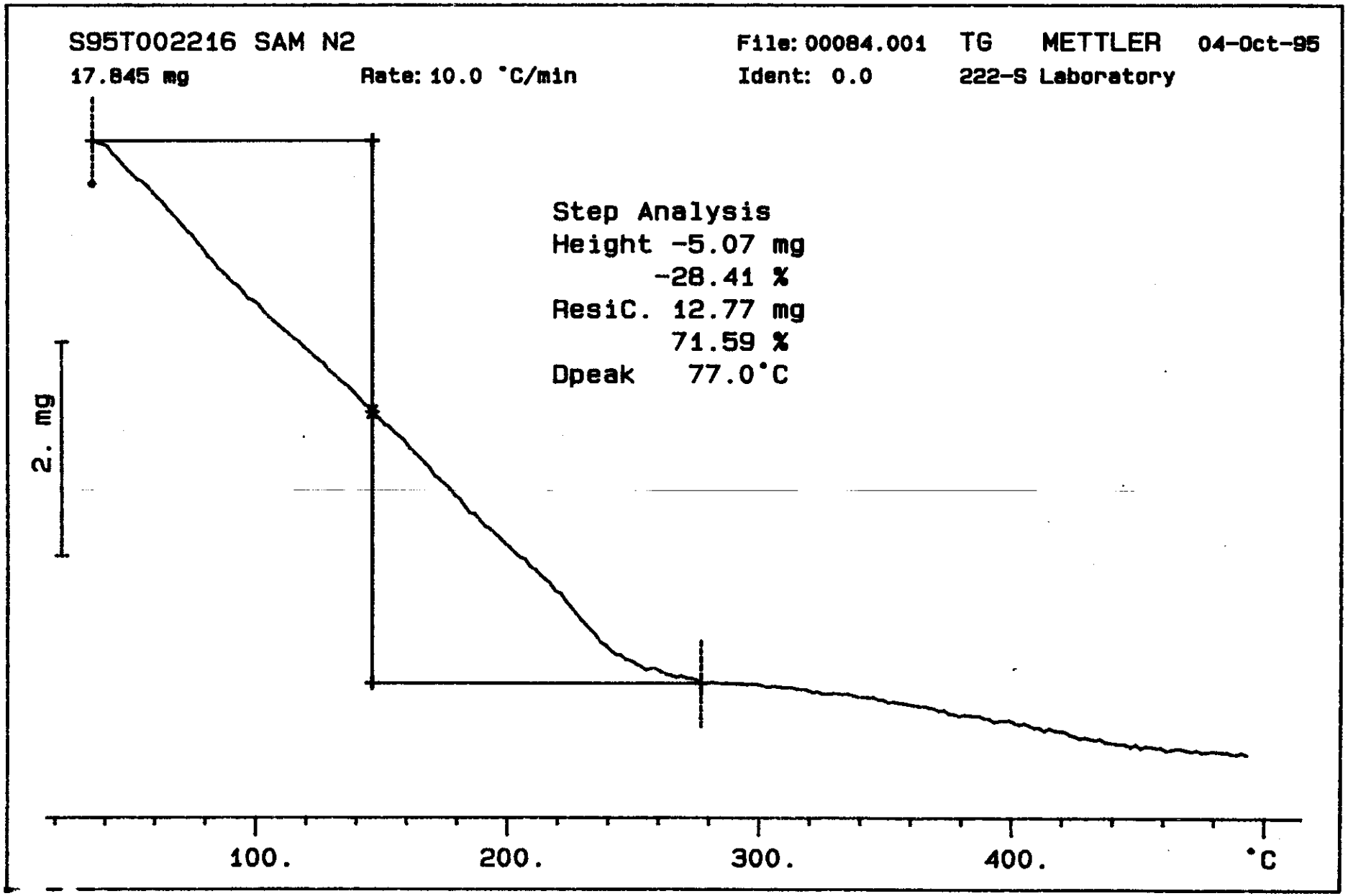
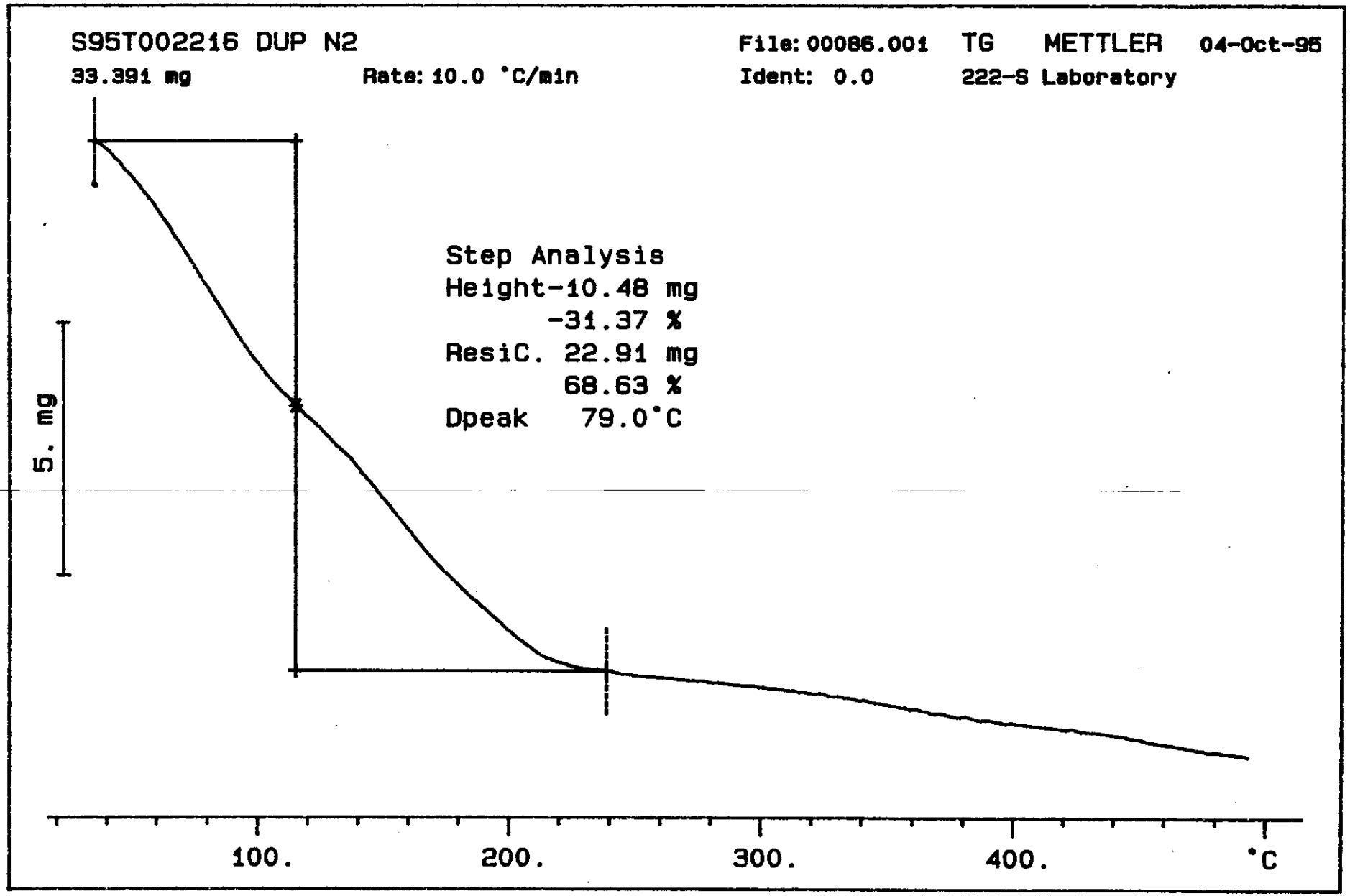


BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2449

Analyst: DCD **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-D

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	10-6-95 ~~59.85~~ 59.74	59.85	N/A	%
95000110	BY-110	2	SAMPLE	S95T002217	0		TGA-03	SOLID	N/A	8.62		%
95000110	BY-110	3	DUP	S95T002217	0		TGA-03	SOLID	8.62	15.89	N/A	%

Final page for worklist # 2449

See attached for signature 10-4-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-10-95

10-9-95
Analyst Signature **Date**

Data Entry Comments: There is a difference in the shape of the curve between sample and duplicate giving results with high RPDs. The sample will be rerun. Sample produced two additional weight loss steps of 21.28% an 3.81% at approximately 200°C and 350°C respectively

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2449

Analyst: DCD **Instrument:** TGA0 _____ **Book #** 65N8A

Method: LA-560-112 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000110	BY-110	2	SAMPLE	S95T002217	0		TGA-01	SOLID	N/A			%
95000110	BY-110	3	DUP	S95T002217	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2449

David C. Dunham 10-4-95
Analyst Signature **Date**

Analyst Signature **Date**

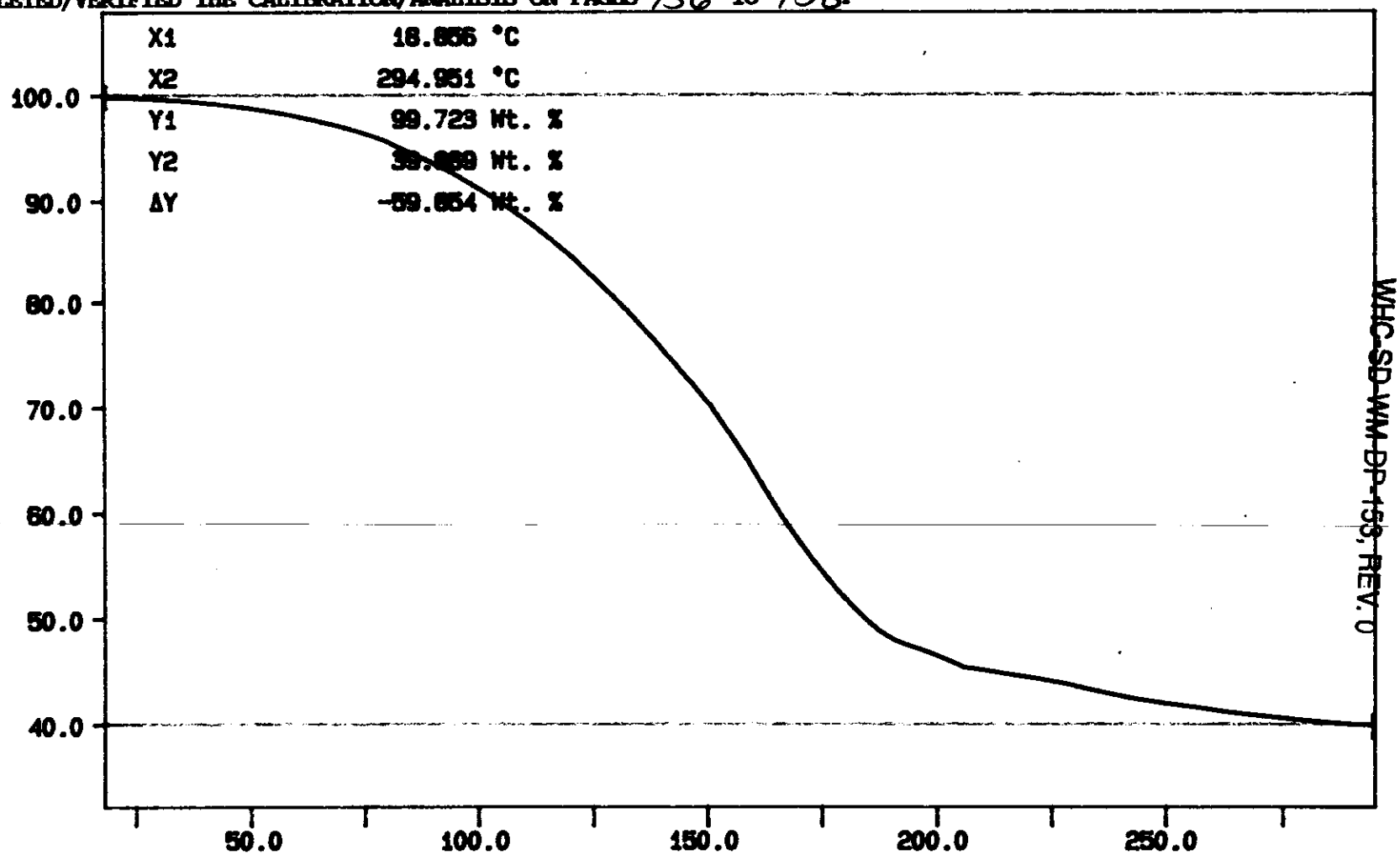
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER100401 Wed Oct 4 03:43:14 1995
Sample Weight: 17.085 mg
68N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 756 TO 758.

BEST AVAILABLE COPY



N2 10C/MIN
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

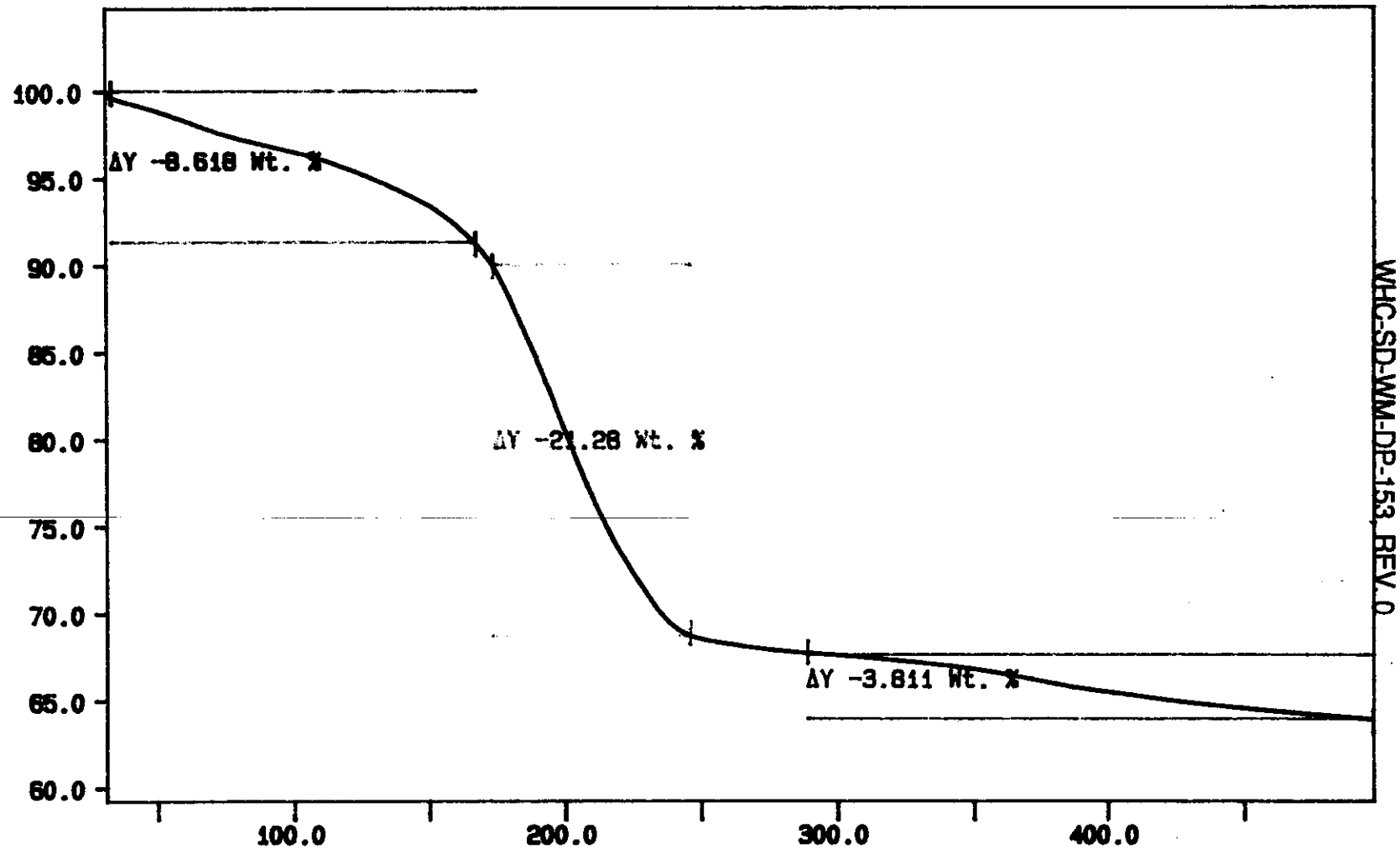
DC DUNHAM
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 09:32:21 1995

David C Dunham 10-4-95

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAM100402 Wed Oct 4 04:47:51 1995
Sample Weight: 27.823 mg
S95T002217 SAM

BEST AVAILABLE COPY



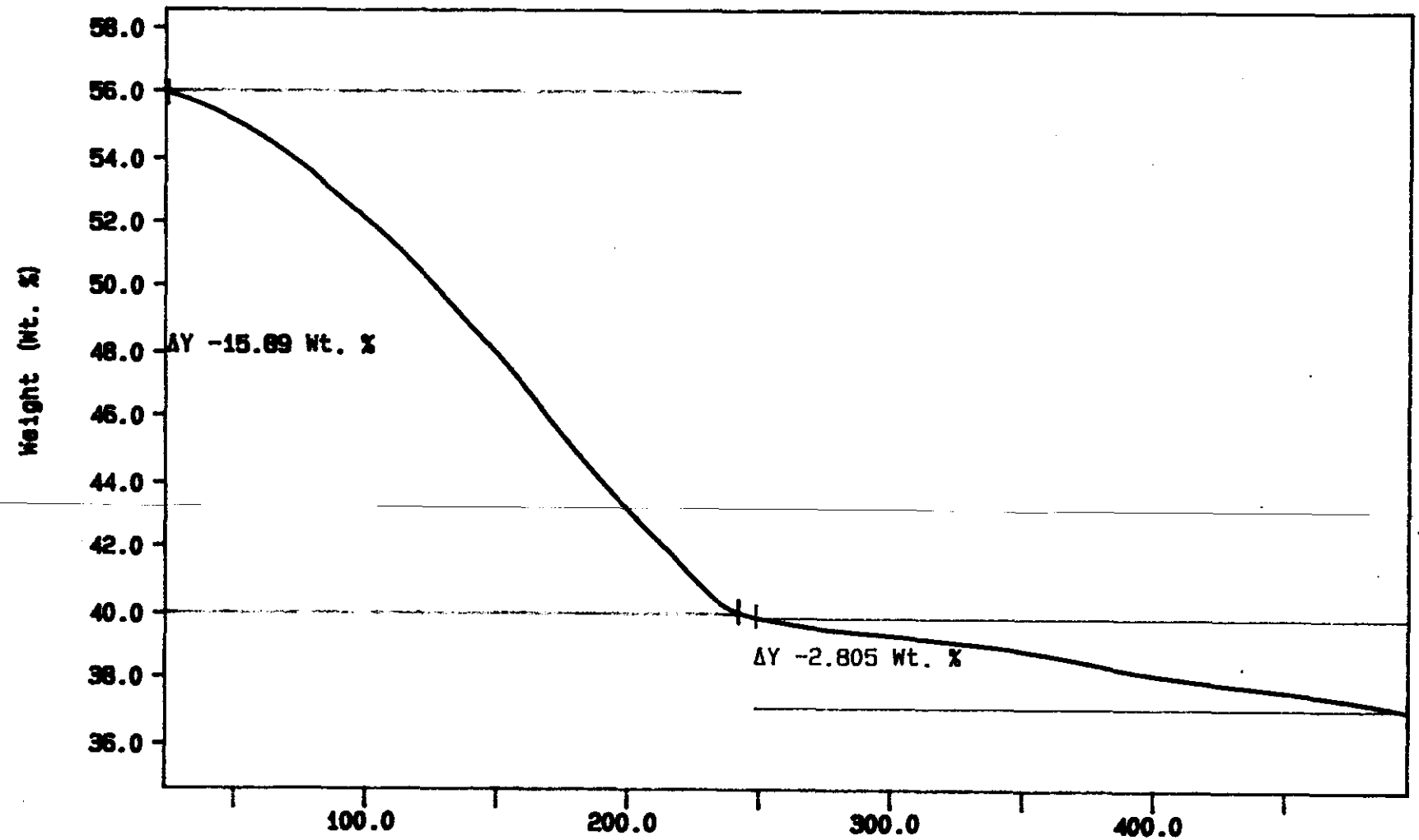
N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

DC DUNHAM
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 08:48:30 1995

WHC-SD-WM-DP-153, REV. 0

Curve 1: TGA
File info: SAN100403 Wed Oct 4 06:34:58 1995
Sample Weight: 27.823 mg
S95T002217 DUP

BEST AVAILABLE COPY



N2
TIME: 0.0 min RATE: 10.0 C/min

DC DUNHAM
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Oct 4 09:43:58 1995

LABCORE Data Entry Template for Worklist# 2482

Analyst: PJM **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	LIQUID	59.74	59.67	N/A	%
95000132	BY-110	2	SAMPLE	S95T002427	0		TGA-03	LIQUID	N/A	47.70		%
95000132	BY-110	3	DUP	S95T002427	0		TGA-03	LIQUID	47.70	47.38	N/A	%

Final page for worklist # 2482

See attached for signatures
Analyst Signature **Date** 10-12-95

Verified by Blandina Valenzuela 10-23-95

RBBoh 10/18/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2482

Analyst: RJ McCown **Instrument:** TGA0 _____ **Book #** 65N8A

Method: LA-~~560-112~~ 514-114 Rev/Mod C-0 RJM 10/12/95

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	LIQUID			N/A	%
95000132	BY-110	2	SAMPLE	S95T002427	0		TGA-01	LIQUID	N/A			%
95000132	BY-110	3	DUP	S95T002427	0		TGA-01	LIQUID			N/A	%

Final page for worklist # 2482

RJ McCown 10/12/95
Analyst Signature **Date**

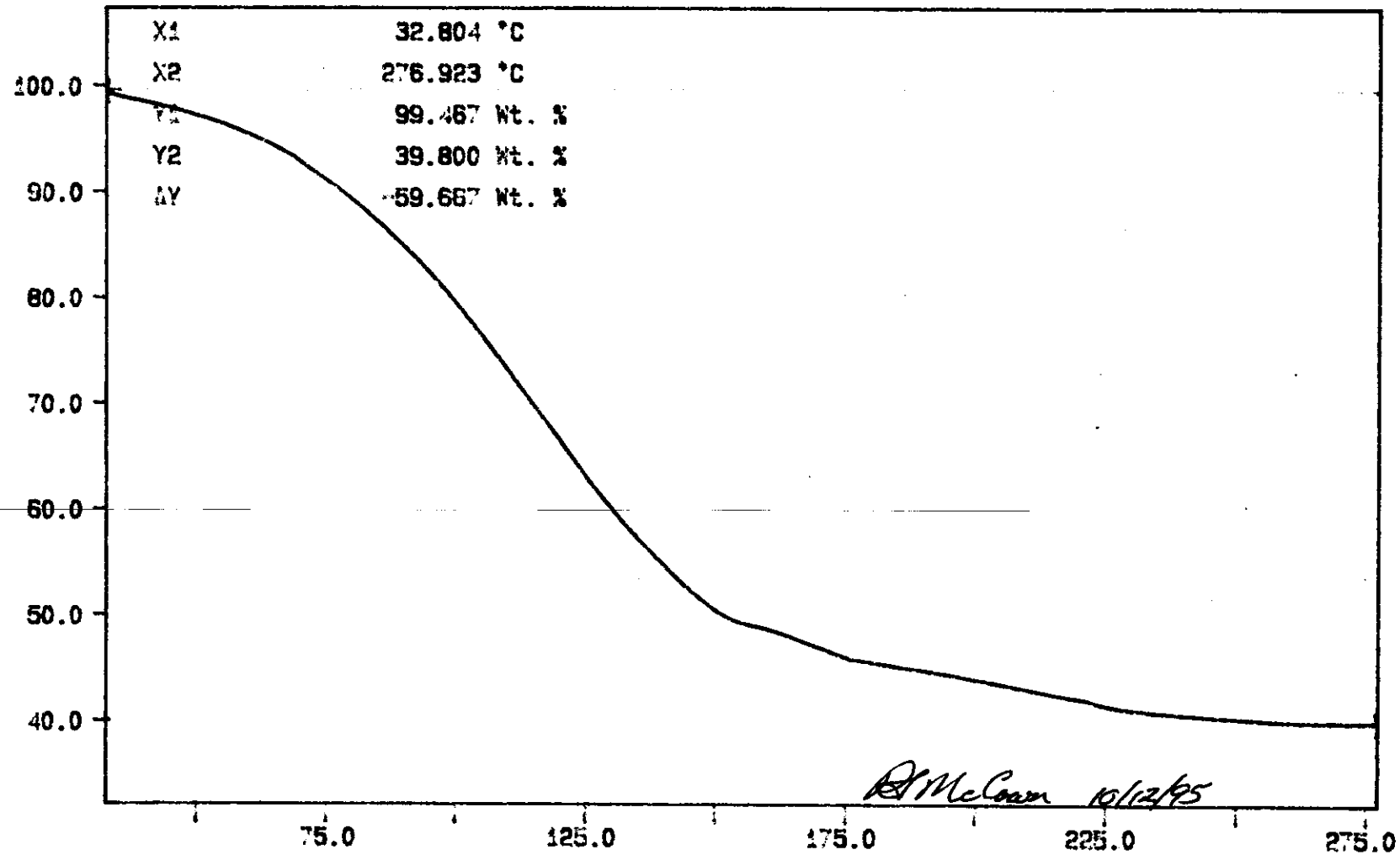
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER101201 Thu Oct 12 02:10:19 1995
Sample Weight: 13.850 mg
55N8-A Terliq

BEST AVAILABLE COPY

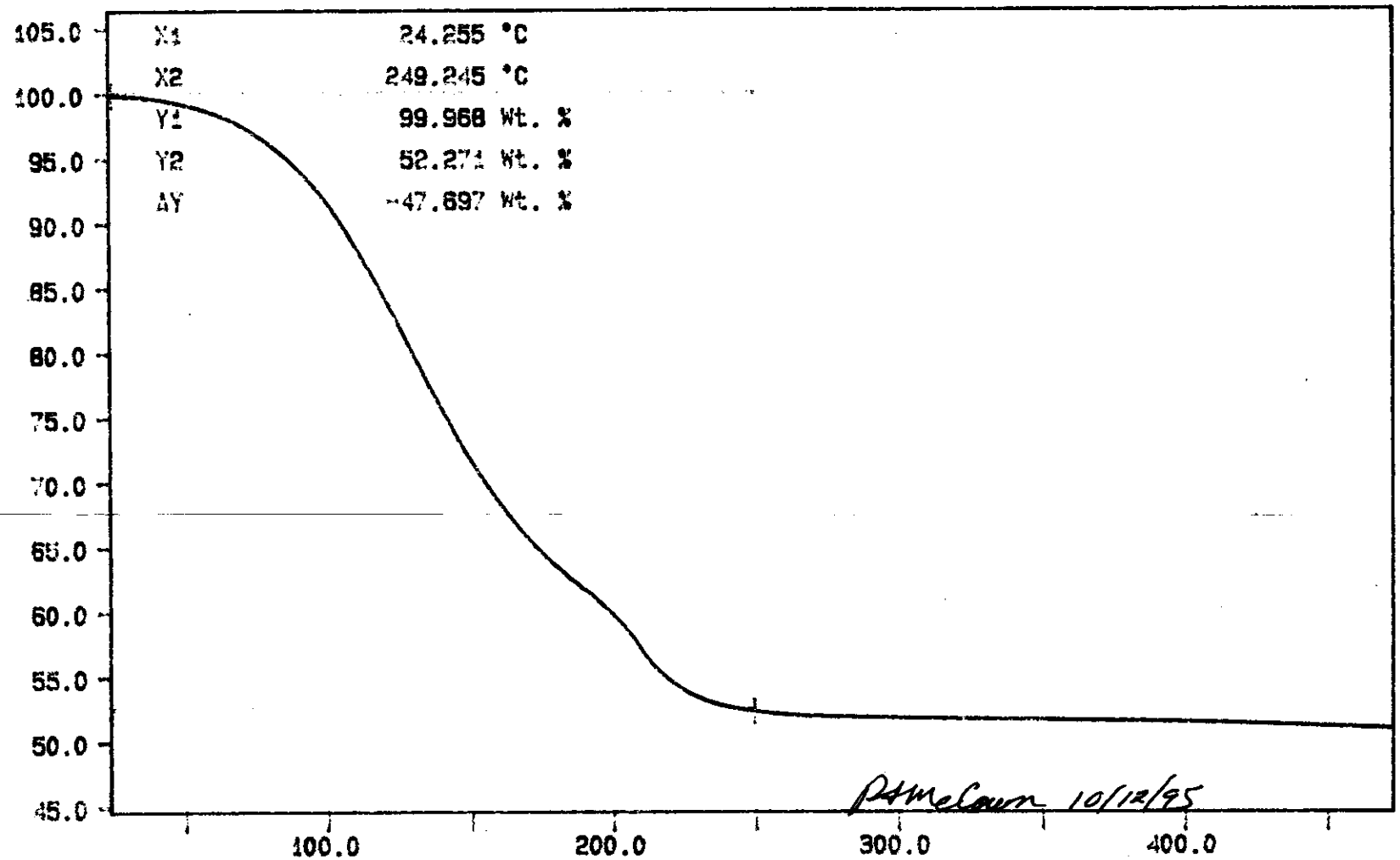


N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Oct 12 02:23:39 1995

Curve 1: TGA
File info: SAM101201 Thu Oct 12 03:35:00 1995
Sample Weight: 20.002 mg
S95T002427

BEST AVAILABLE COPY

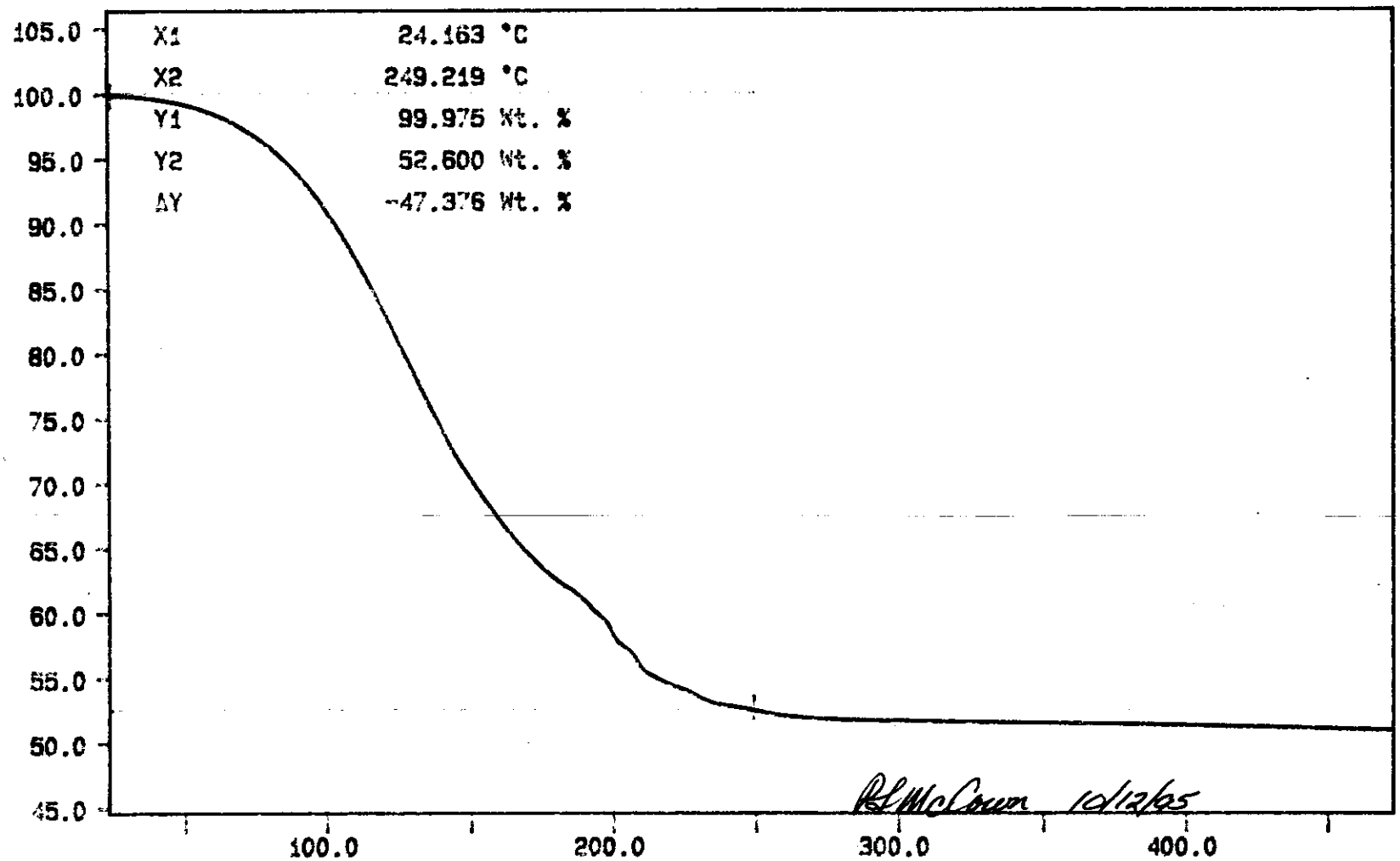


N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 800.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Oct 12 03:39:08 1995

Curve 1: TGA
File info: SAM101202 Thu Oct 12 04:49:30 1995
Sample Weight: 17.650 mg
S95T002427 DUP

BEST AVAILABLE COPY



N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Oct 12 04:50:49 1995

LABCORE Data Entry Template for Worklist# 2483

Analyst: RDM **Instrument:** TGA0 1 **Book #** 65NB-A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.47	N/A	%
95000132	BY-110	2	SAMPLE	S95T002417	0		TGA-01	SOLID	N/A	13.26		%
95000132	BY-110	3	DUP	S95T002417	0		TGA-01	SOLID	13.26	19.81	N/A	%
95000132	BY-110	4	SAMPLE	S95T002430	0		TGA-01	SOLID	N/A	33.64		%
95000132	BY-110	5	DUP	S95T002430	0		TGA-01	SOLID	33.64	32.23	N/A	%

Final page for worklist # 2483

R Mayer 10/18/95
Analyst Signature **Date**

10/19/95
Analyst Signature **Date**

Verified by Blandina Valenzuela
10-23-95

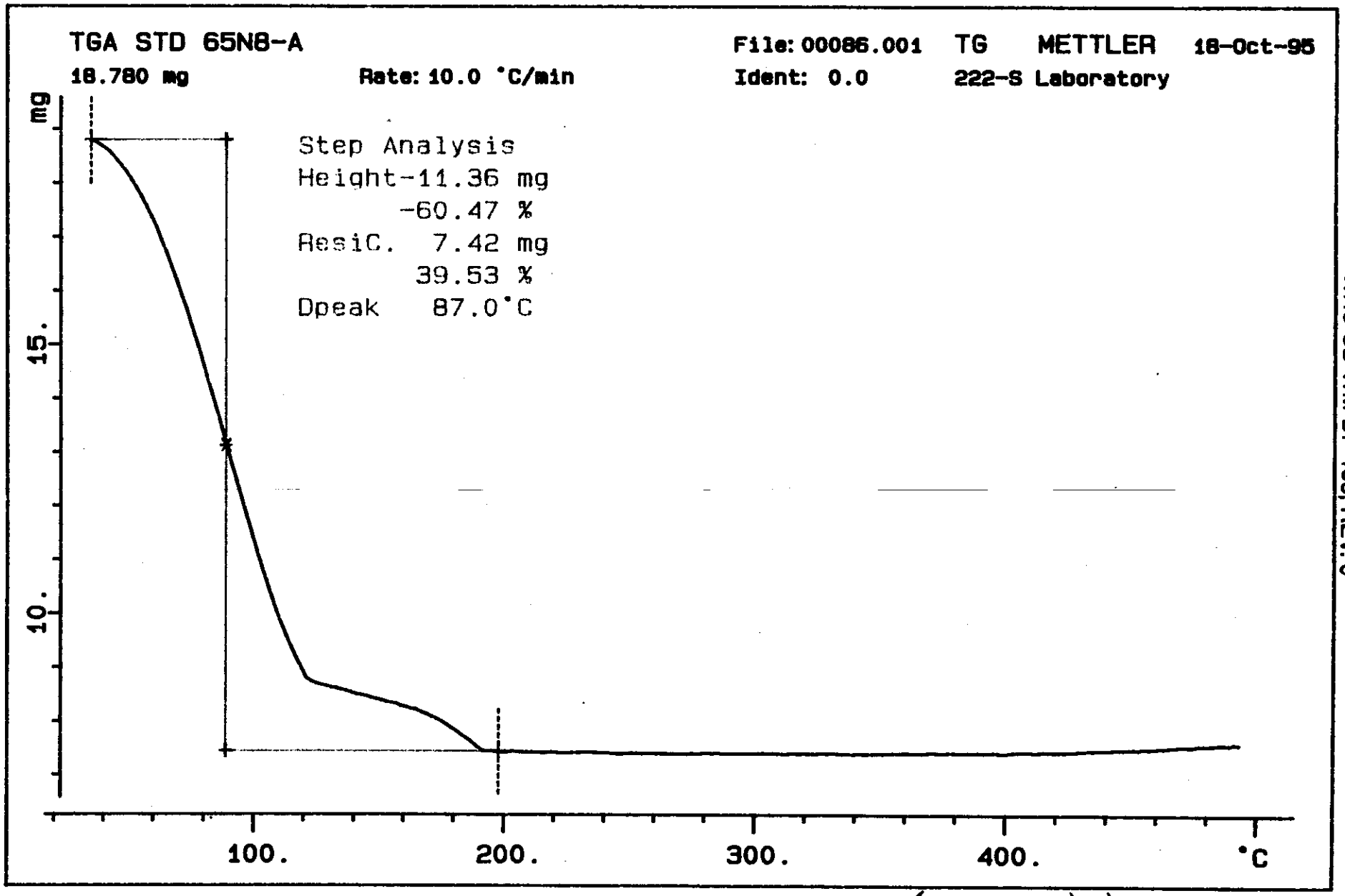
S95T002417 produced a second weight loss step of 2.73% at approximately 240°C

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

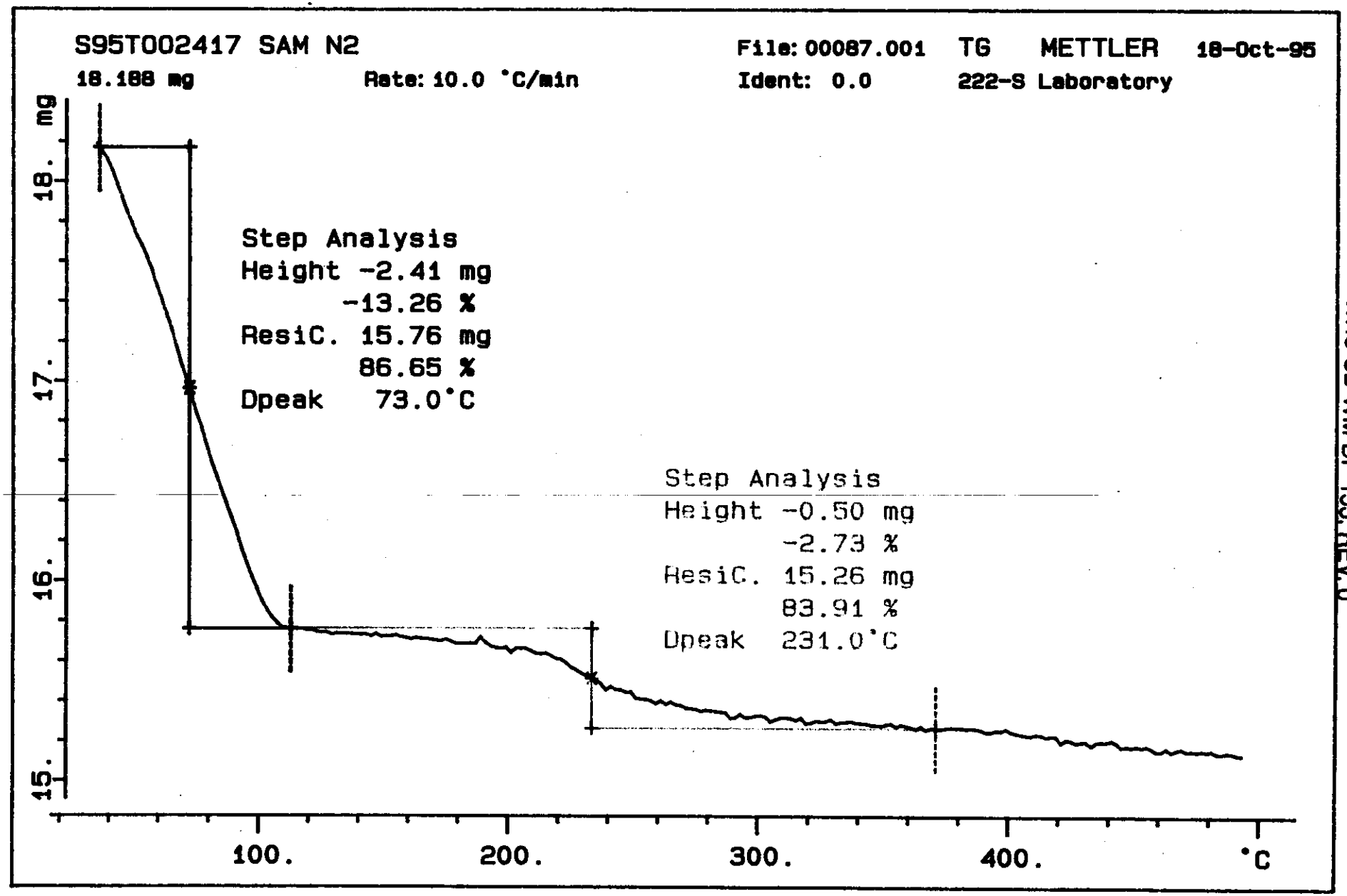
BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 765 TO 769.



10/18/95

BEST AVAILABLE COPY



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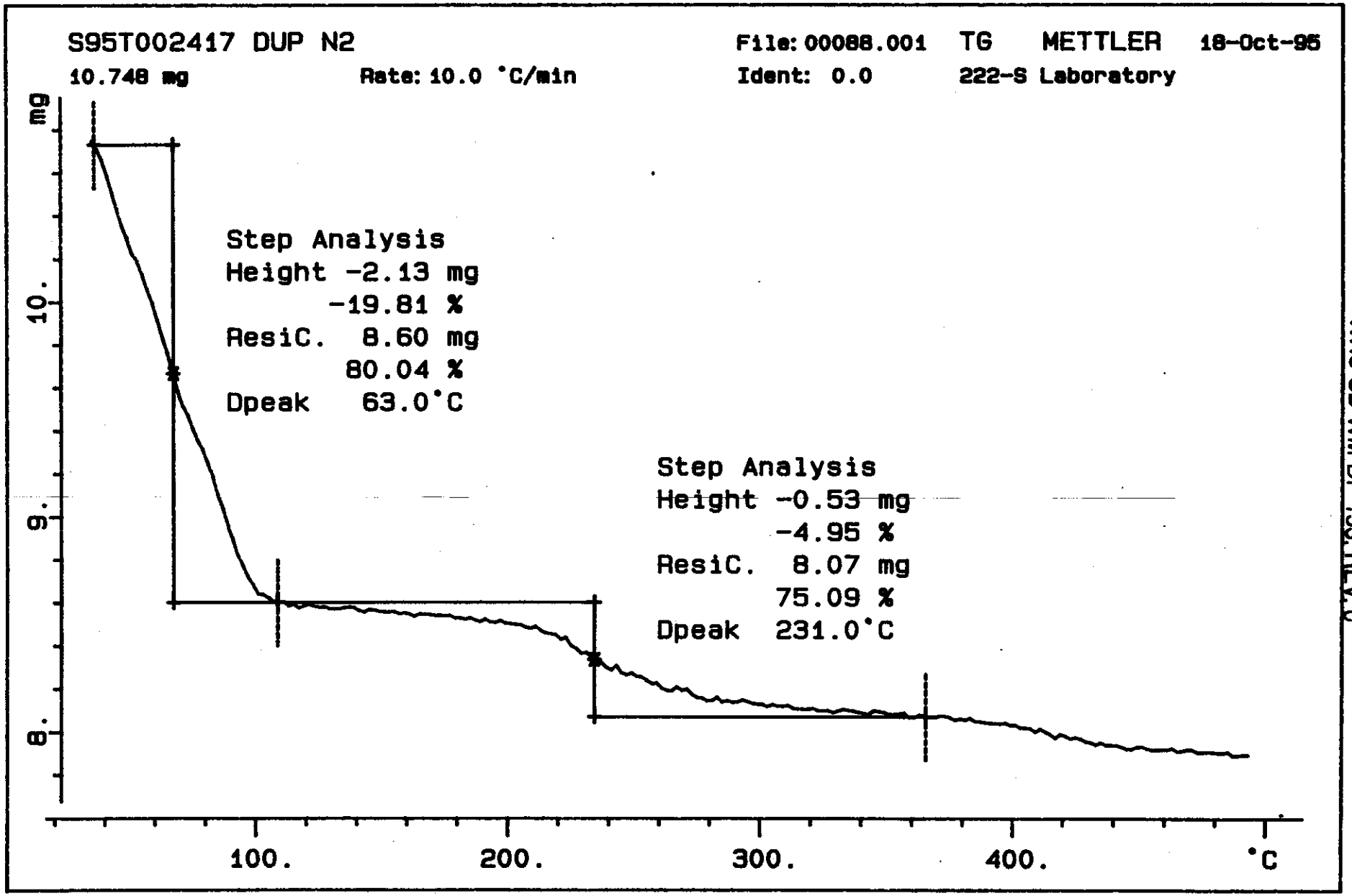
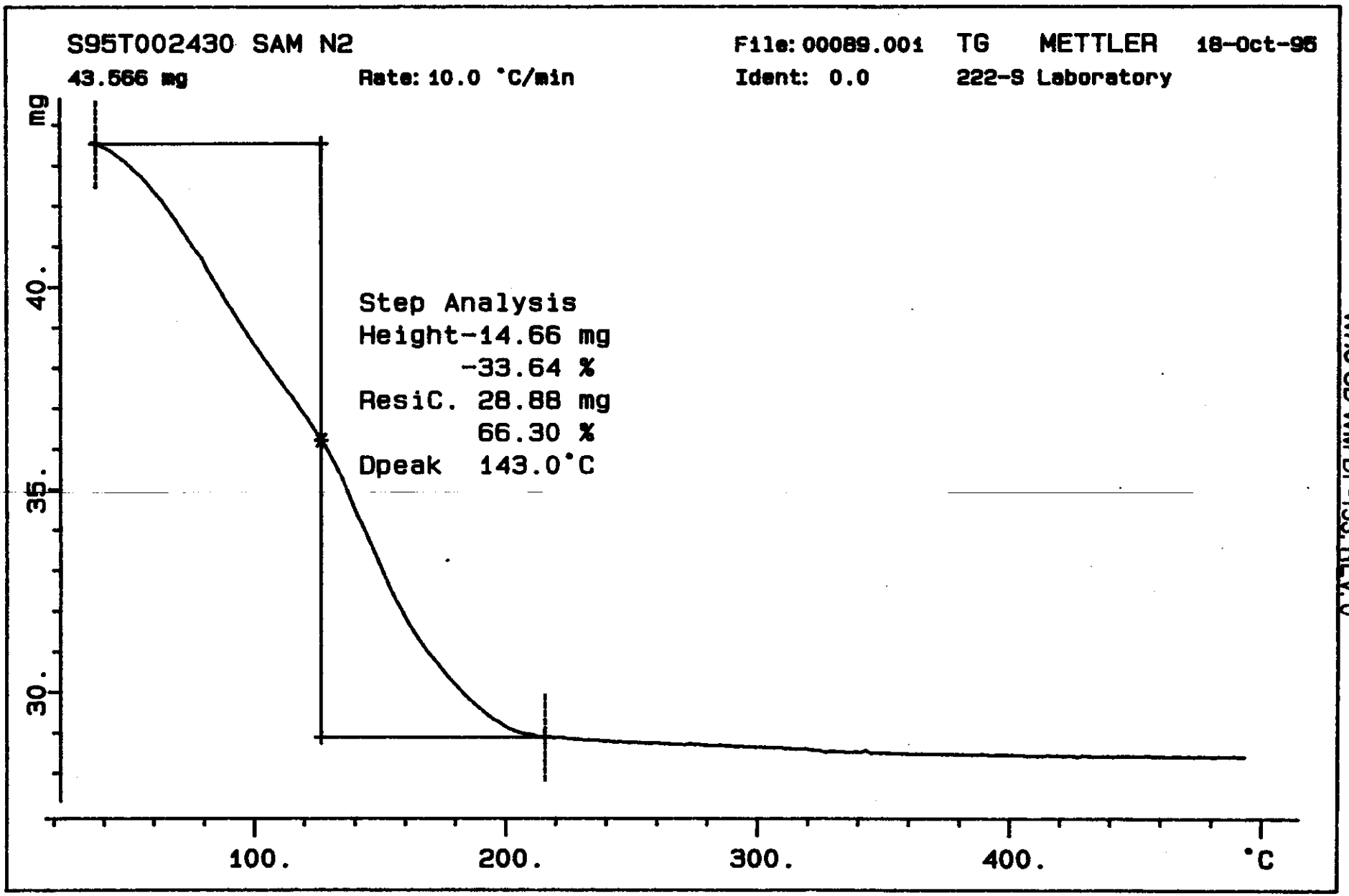
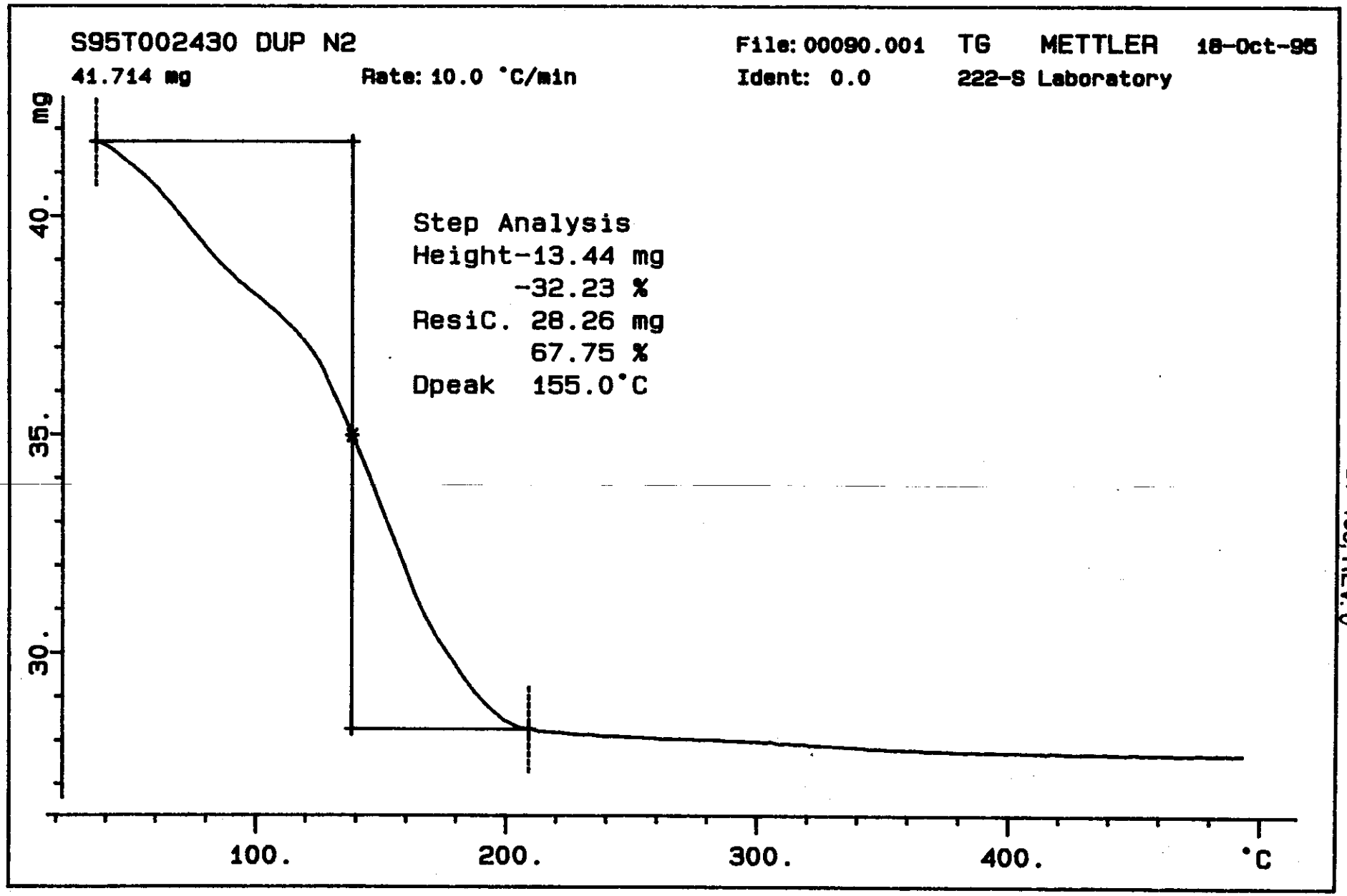


BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2543

Analyst: ADO **Instrument:** TGA0 1 **Book #** 65N&A

Method: LA-560-112 Rev/Mod BO

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.01	N/A	%
95000116	BY-110	2 SAMPLE	S95T001669	1		TGA-01	SOLID	N/A	25.07		%
95000116	BY-110	3 DUP	S95T001669	1		TGA-01	SOLID	25.07	33.36	N/A	%

Final page for worklist # 2543

Cathy Pierantoni 10-18-95
Analyst Signature **Date**
Verified by Blandina Valenzuela 10-23-95

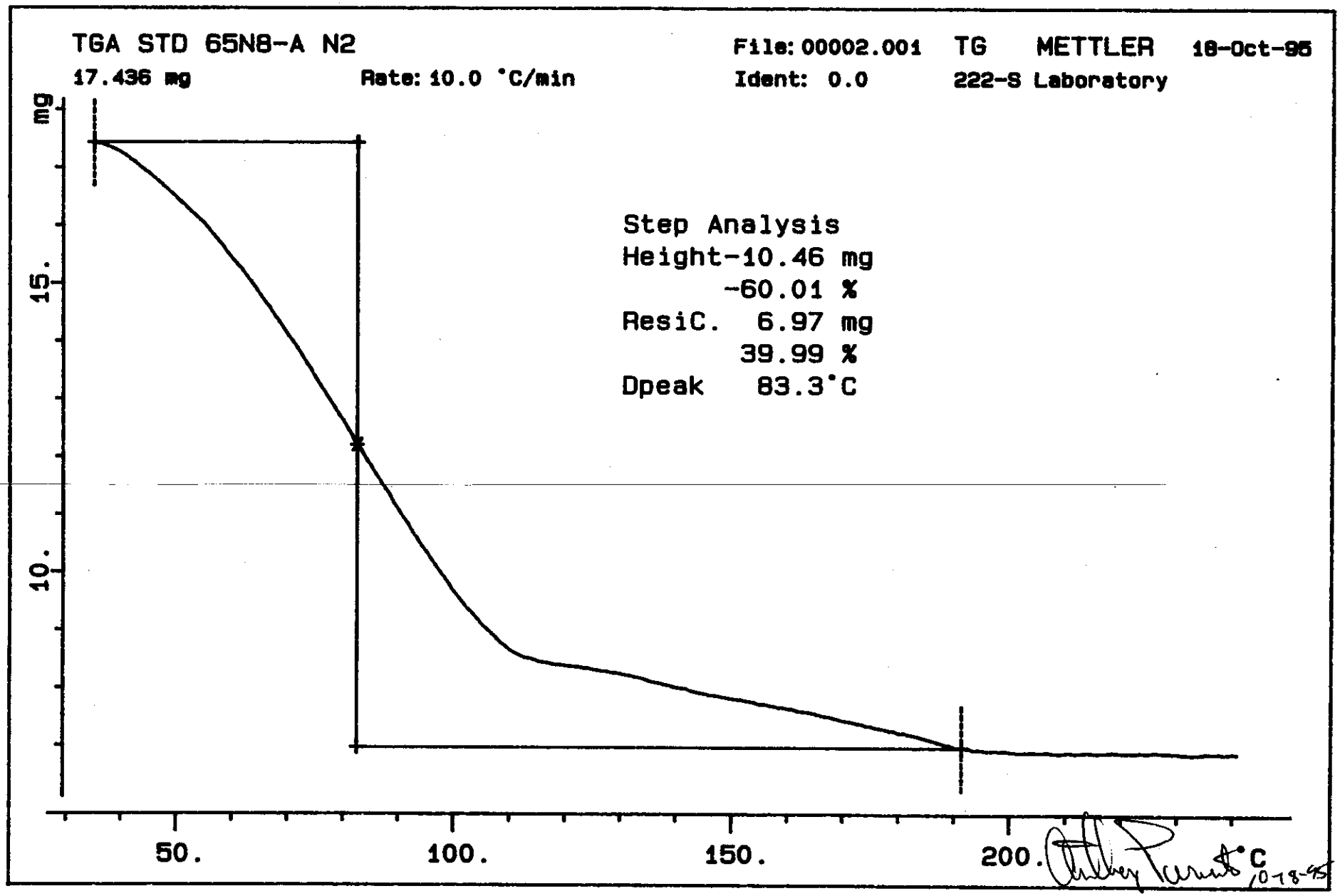
Tom McG 10/20/95
Analyst Signature **Date**

Data Entry Comments: The chemist has chosen to add the results together, because of the ambiguity of the curve.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

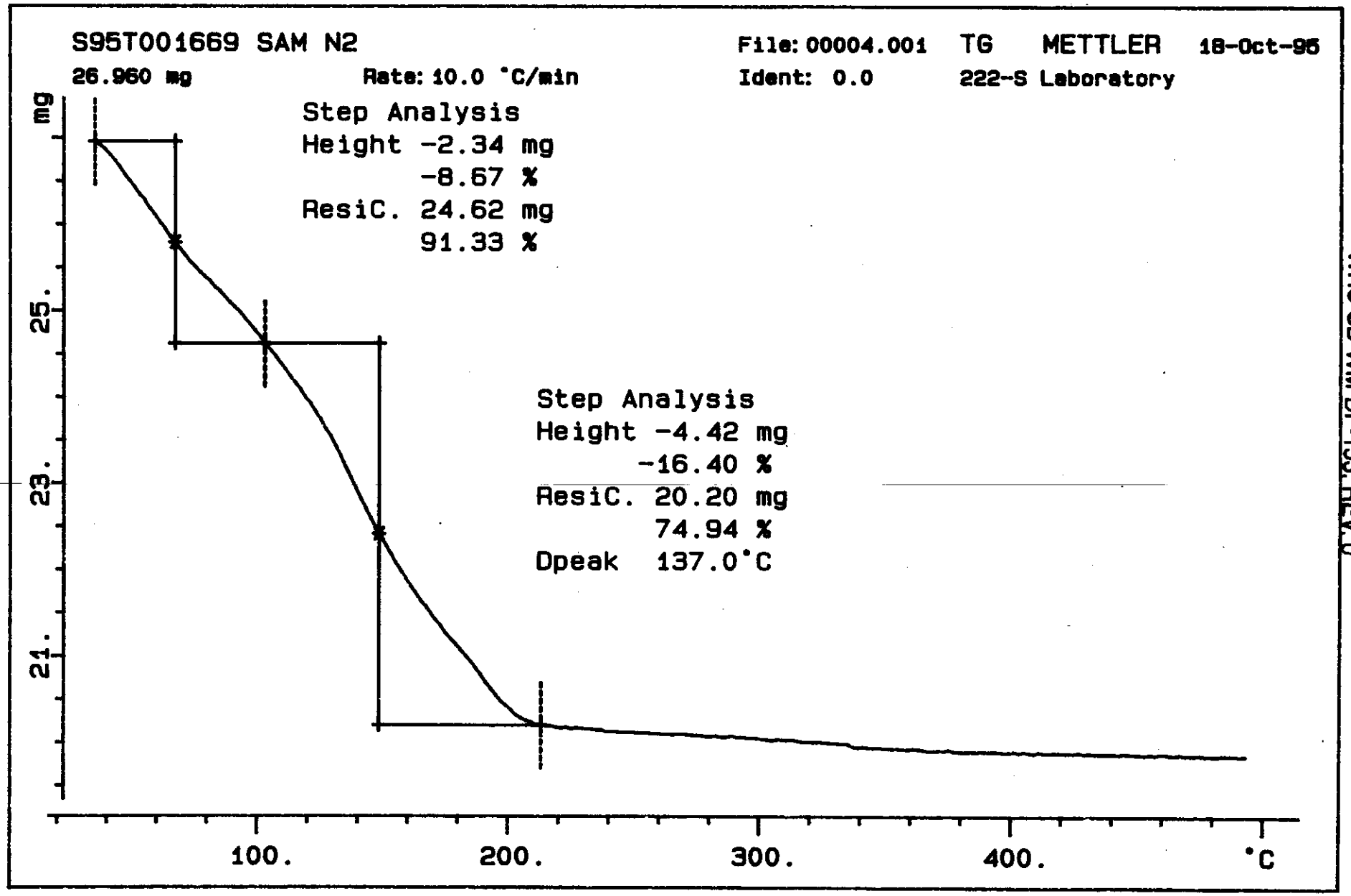
BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 770 TO 773.

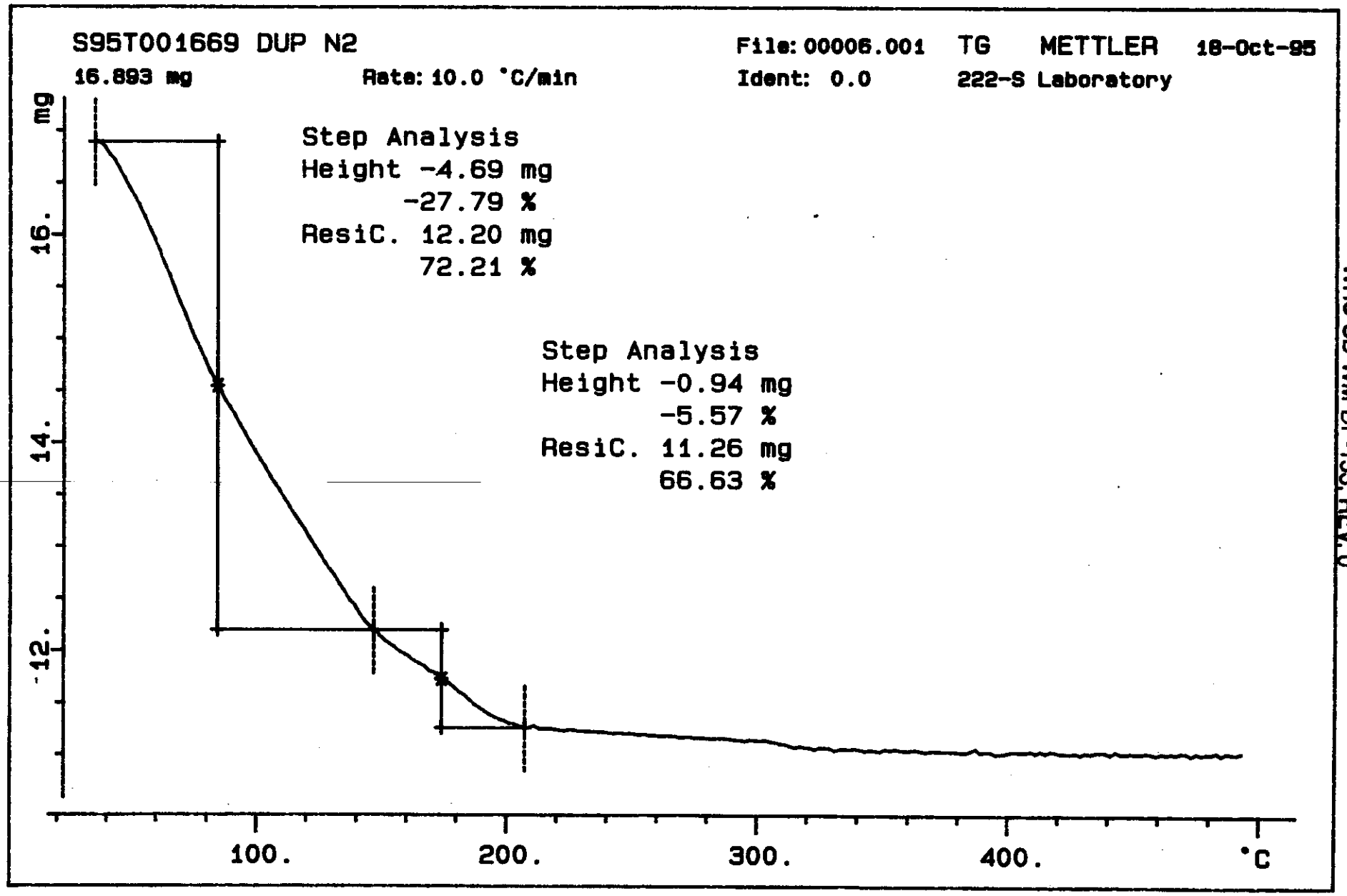


10-18-95

BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2617

Analyst: RJ McCown **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.10	N/A	%
95000116	BY-110	2	SAMPLE	S95T001672	0		TGA-01	SOLID	N/A	34.68		%
95000116	BY-110	3	DUP	S95T001672	0		TGA-01	SOLID	34.68	33.63	N/A	%

Final page for worklist # 2617

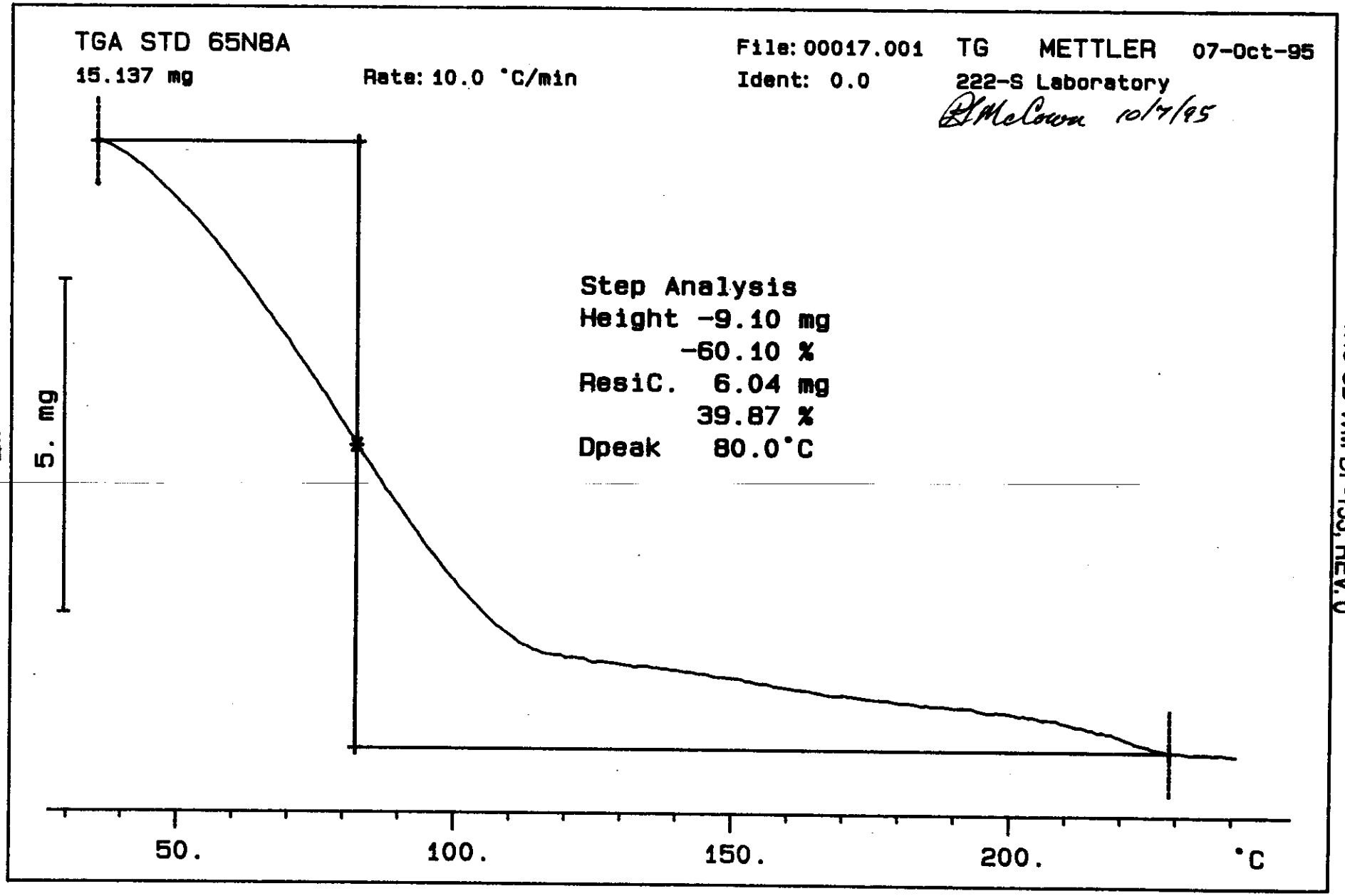
RJ McCown 10/7/95
Analyst Signature **Date**

Verified by Blandina Valenzuela
10-10-95

[illegible] 10/9/95
Analyst Signature **Date**

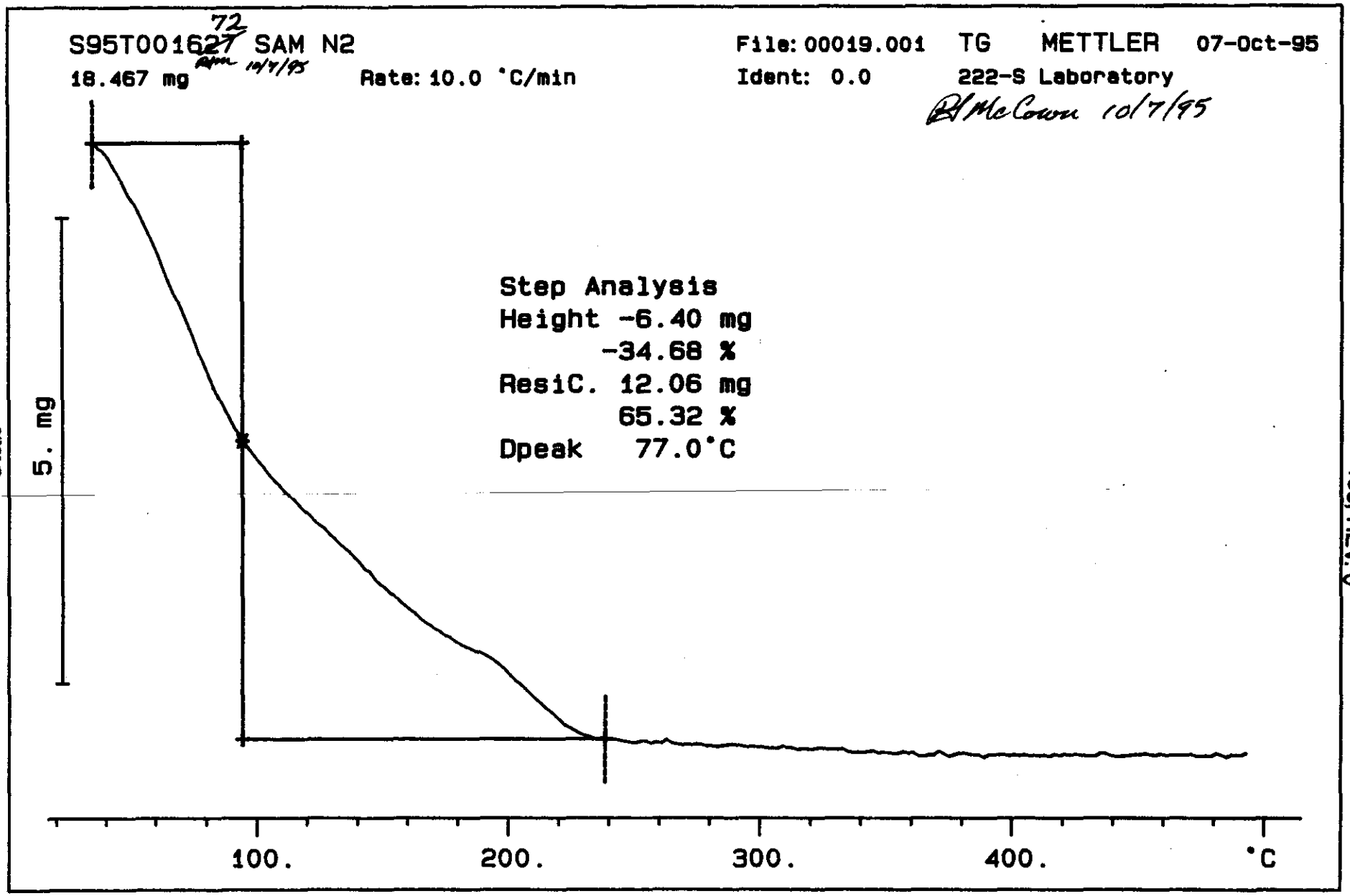
Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.



775

WHC-SD-WM-DP-153, REV. 0


S95T001627 SAM N2
18.467 mg
Rate: 10.0 °C/min
File: 00019.001 TG METTLER 07-Oct-95
Ident: 0.0 222-S Laboratory
Step Analysis
Height -6.40 mg
-34.68 %
ResiC. 12.06 mg
65.32 %
Dpeak 77.0°C
5. mg
100.
200.
300.
400.
°C

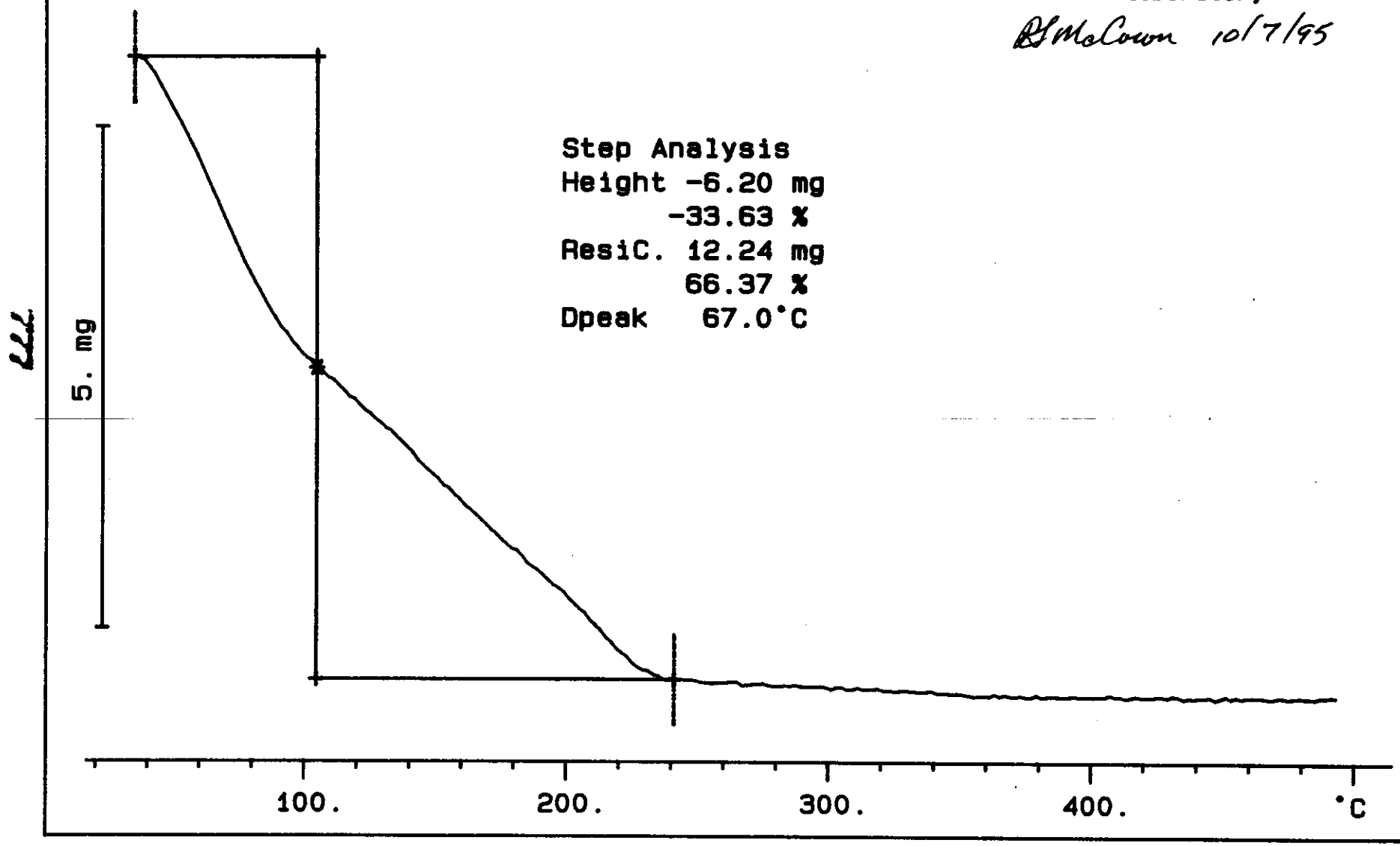
S95T001~~627~~ 72 DUP N2

18.448 mg

Rate: 10.0 °C/min

File: 00021.001 TG METTLER 07-Oct-95

Ident: 0.0 222-S Laboratory



WHC-SD-WM-DP-153, REV. 0

LABCORE Data Entry Template for Worklist# 2648

Analyst: ADP **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.41	N/A	%
95000095	BY-110	2	SAMPLE	S95T001744	0		TGA-03	SOLID	N/A	4.17		%
95000095	BY-110	3	DUP	S95T001744	0		TGA-03	SOLID	4.17	4.01	N/A	%
95000095	BY-110	4	SAMPLE	S95T001745	0		TGA-03	SOLID	N/A	.76		%
95000095	BY-110	5	DUP	S95T001745	0		TGA-03	SOLID	.76	10.72	N/A	%

Final page for worklist # 2648

See attached for signatures
Analyst Signature **Date**
Verified by Blandina Valenzuela 11-8-95

[signature] 11-1-95
Analyst Signature **Date**

S95T001744:
Data Entry Comments: Sample produced a second weight loss step of .85 Wt%
~~S95T001745: Sample produced a~~ 10/31/95 BDV

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2648

Analyst: LHP **Instrument:** TGA0 **Book #** 65N8A

Method: LA-560-112 Rev/Mod C-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000095	BY-110	2	SAMPLE	S95T001744	1		TGA-01	SOLID	N/A			%
95000095	BY-110	3	DUP	S95T001744	1		TGA-01	SOLID			N/A	%
95000095	BY-110	4	SAMPLE	S95T001745	1		TGA-01	SOLID	N/A			%
95000095	BY-110	5	DUP	S95T001745	1		TGA-01	SOLID			N/A	%

Final page for worklist # 2648

Analyst Signature 10-22-95 Date

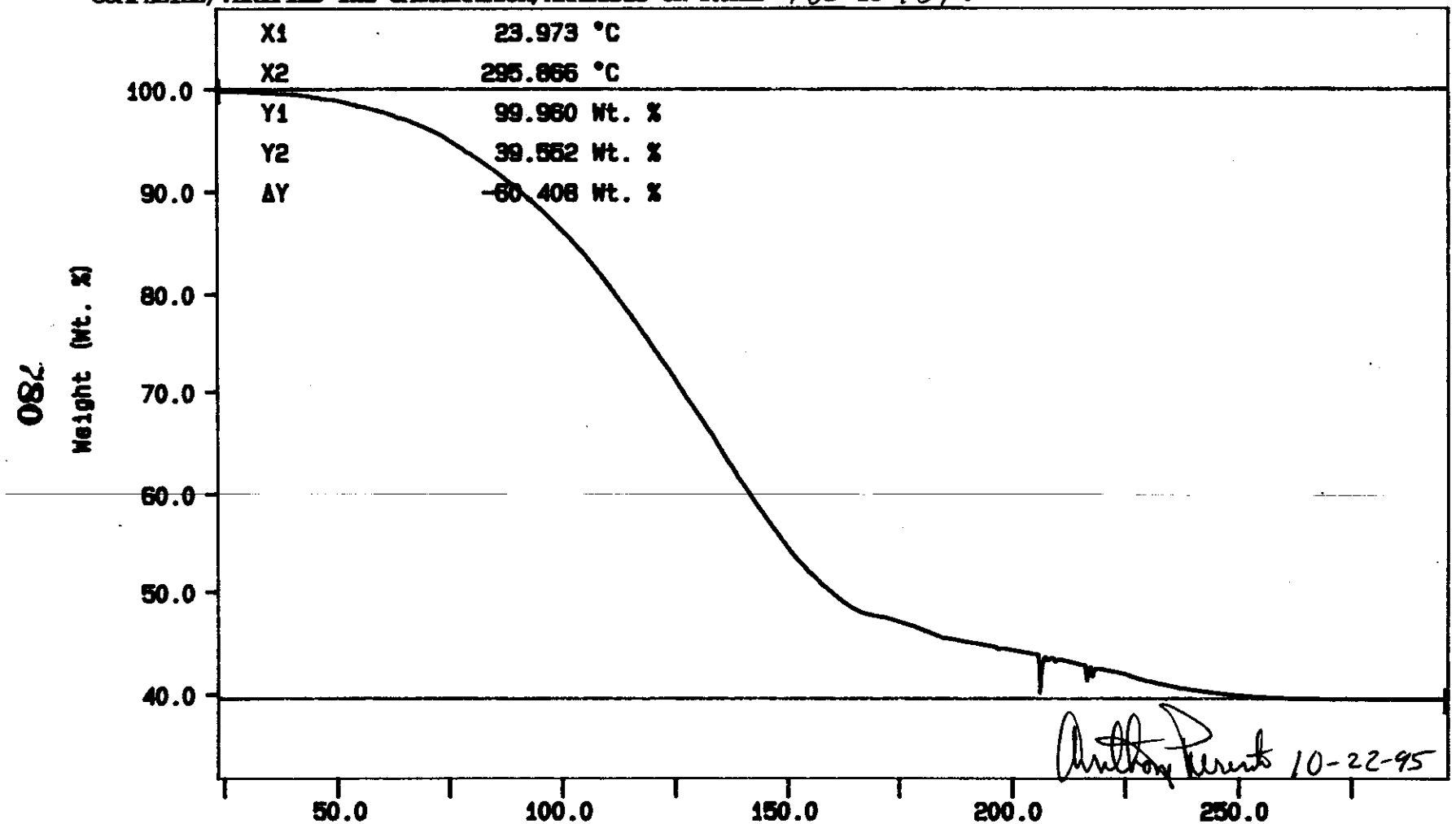
Analyst Signature Date

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER102202 Sun Oct 22 02:13:37 1995
Sample Weight: 17.384 mg
65N8-A Terliq

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 780 TO 784.

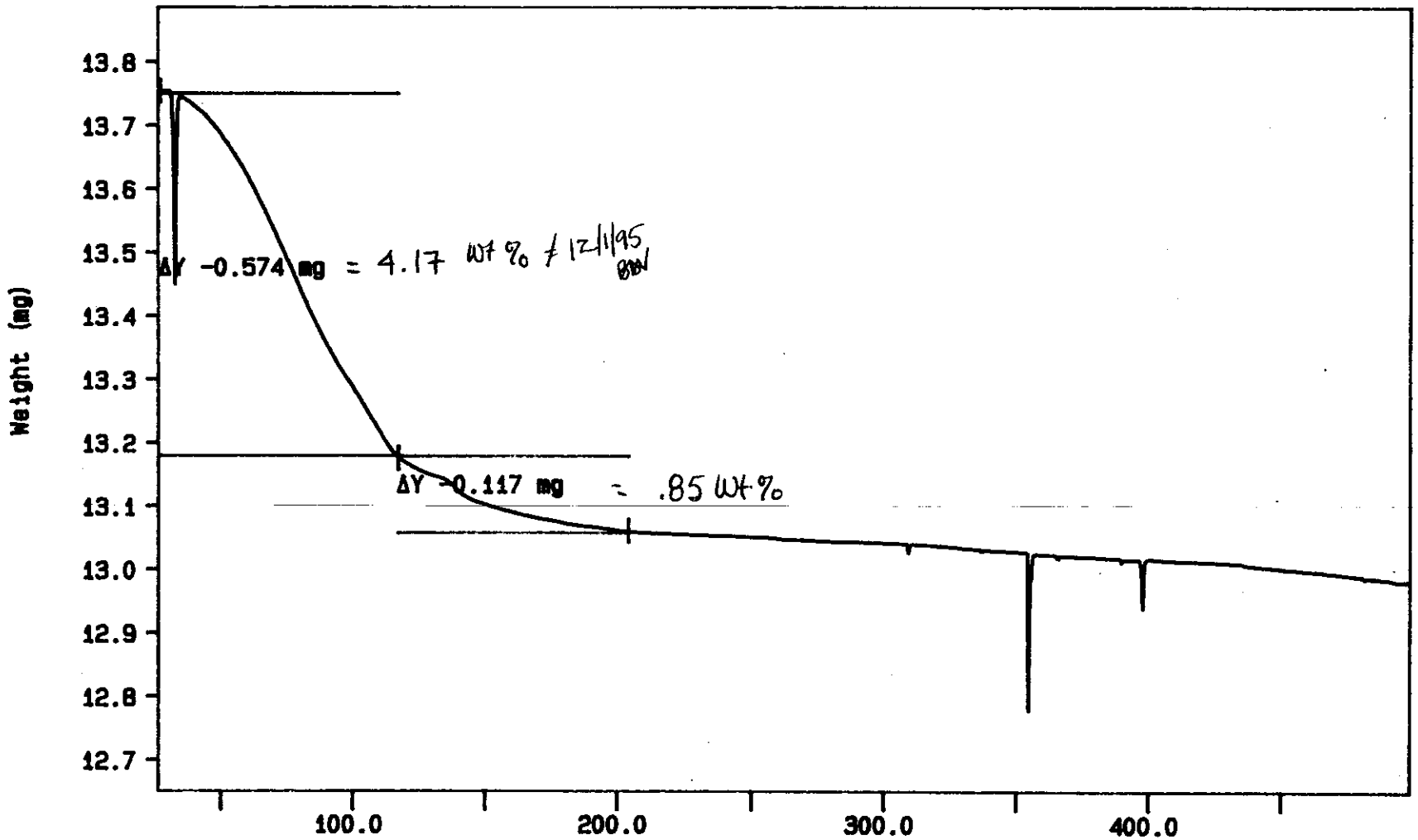


Anthony Purinton 10-22-95

N2 10C/MIN
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Oct 22 02:22:38 1995

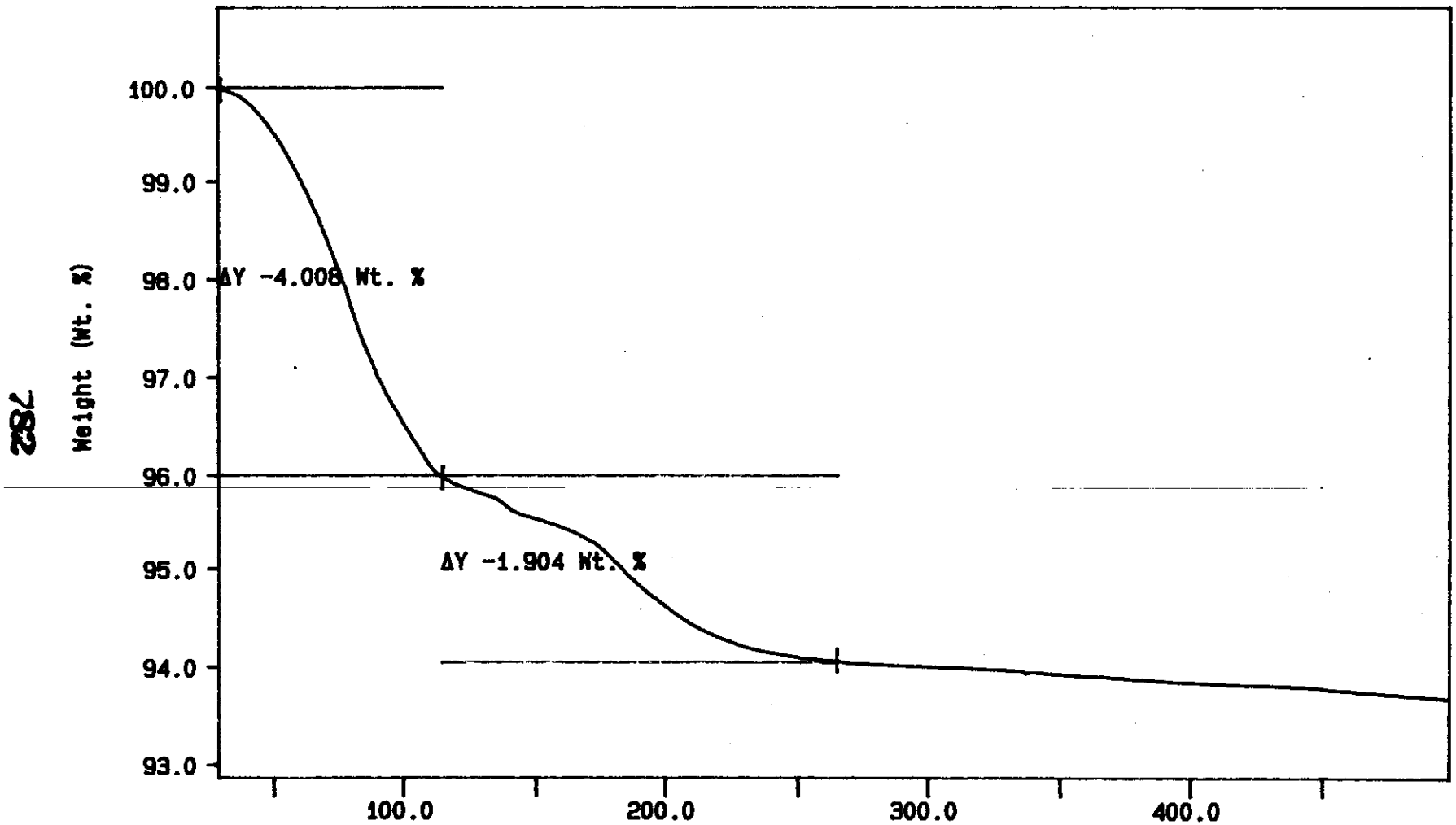
Curve 1: TGA
File info: SAM102201 Sun Oct 22 03:21:35 1995
Sample Weight: 13.751 mg
S95T001744 SAM 10C/MIN



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 31 12:46:22 1995

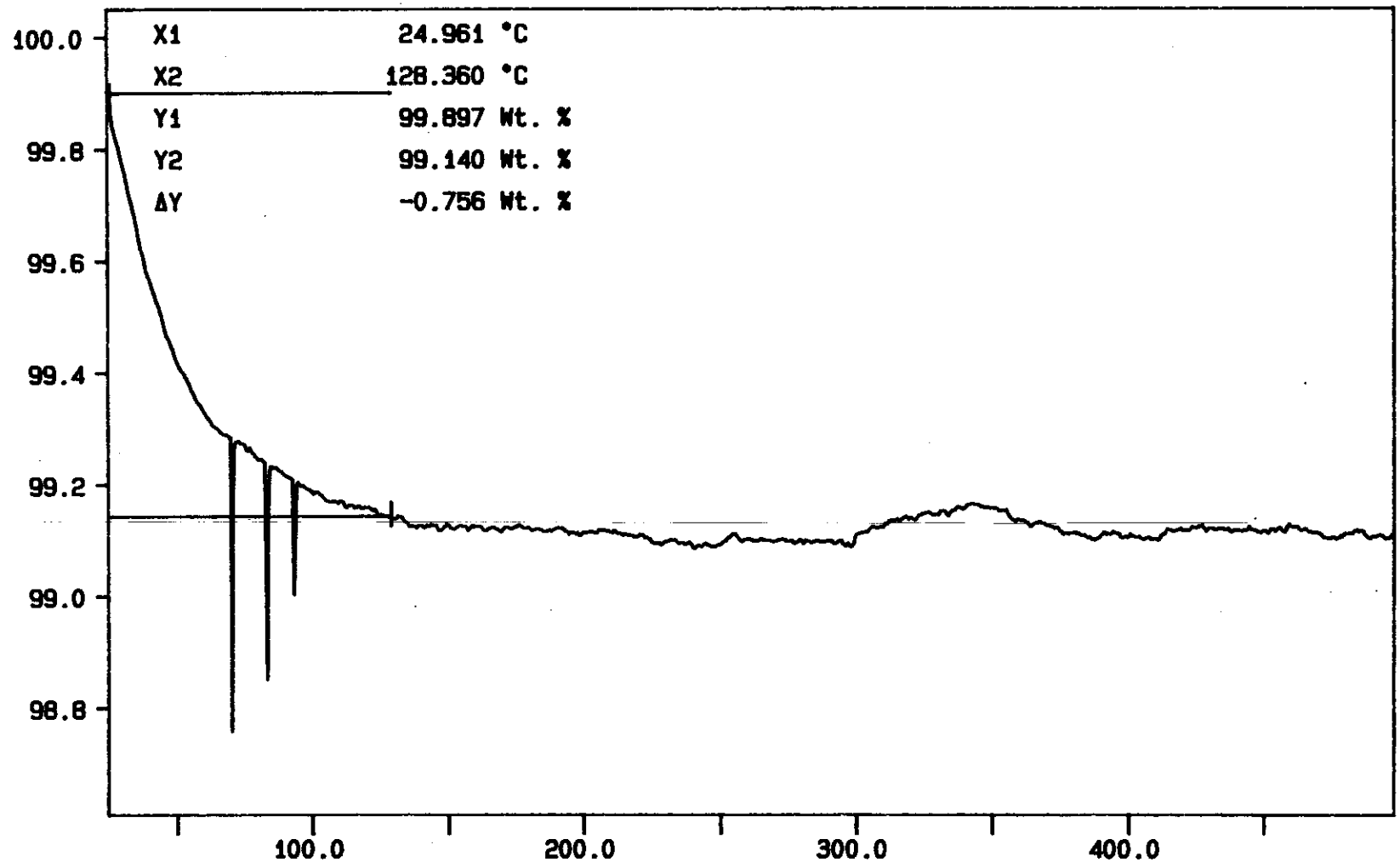
Curve 1: TGA
File info: SAM102202 Sun Oct 22 04:29:29 1995
Sample Weight: 15.704 mg
S95T001744 DUP 10C/MIN



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 31 12:52:51 1995

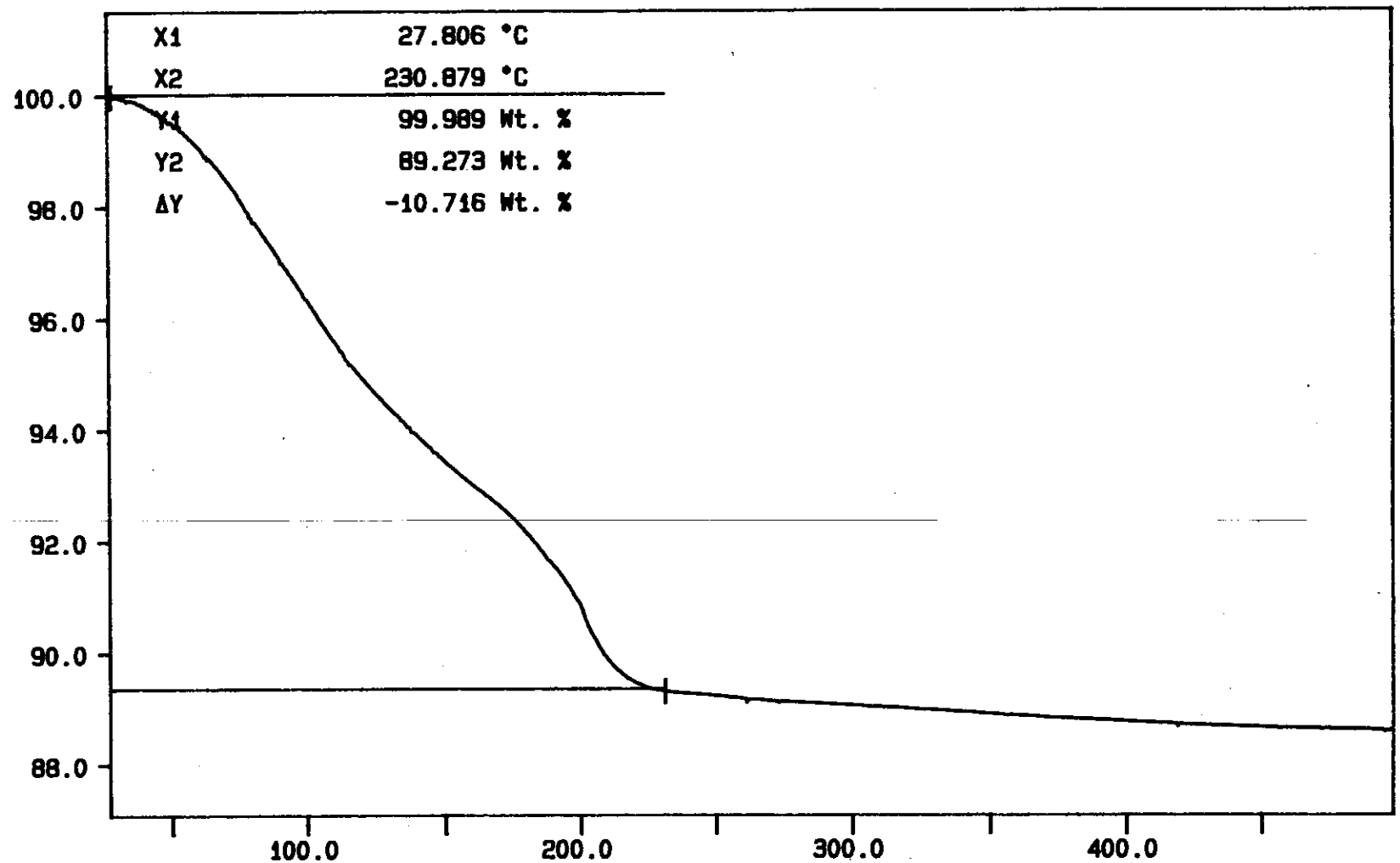
Curve 1: TGA
File info: SAM102203 Sun Oct 22 05:47:37 1995
Sample Weight: 23.478 mg
S95T001745 SAM 10C/ MIN



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 31 12:58:07 1995

Curve 1: TGA
File info: SAM102204 Sun Oct 22 07:21:45 1995
Sample Weight: 19.595 mg
S95T001745 DUP 10C/MIN



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Tue Oct 31 13:04:17 1995

LABCORE Data Entry Template for Worklist# 2649

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod BO

Worklist Comment: Please run BY-110 TGAs under N2. bdv

22

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.31	N/A	%
95000116	BY-110	2	SAMPLE	S95T001635	1		TGA-01	SOLID	N/A	~~5.80~~ 17.42		%
95000116	BY-110	3	DUP	S95T001635	1		TGA-01	SOLID	~~5.80~~ 17.42	17.81	N/A	%
95000116	BY-110	4	SAMPLE	S95T001636	1		TGA-01	SOLID	N/A	17.45		%
95000116	BY-110	5	DUP	S95T001636	1		TGA-01	SOLID	17.45	17.45	N/A	%

Final page for worklist # 2649

Anthony Purente 10-12-95
Analyst Signature **Date**

Gary Hamm 10-16-95
Analyst Signature **Date**

Verified by Blandina Valenzuela 10-18-95

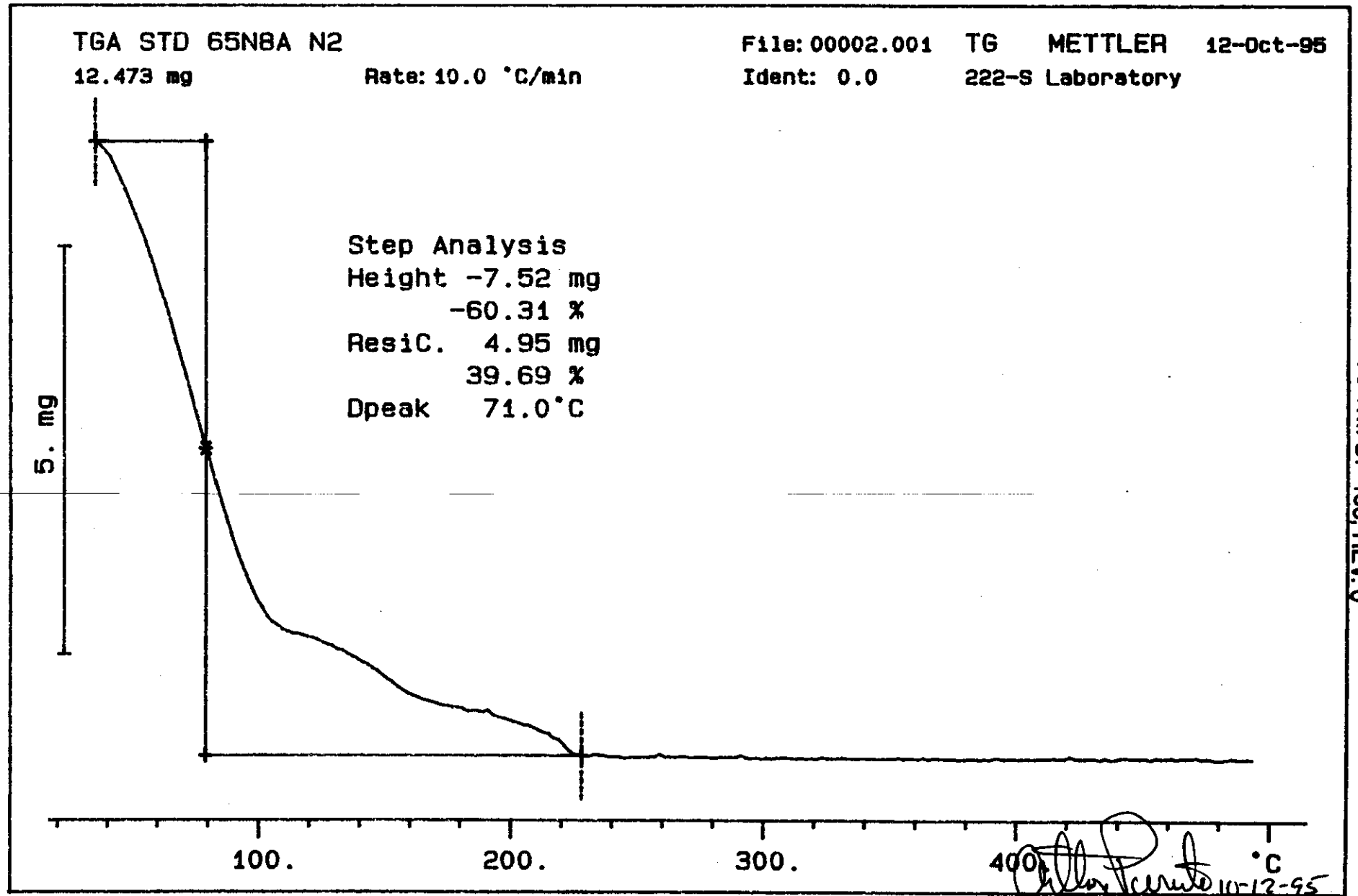
Data Entry Comments: S95T001635 produced ~~two~~ one additional weight loss steps of ~~11.62%~~ 1.49% at 190°C. The results given are the sum of two weight loss steps the chemist decision was the weight loss steps were too close to 100°C to distinguish ~~one~~ water from additional rxns. 10-16-95 BDV

S95T001636 results are the sum of two weight loss steps they occurred too close to 100°C to distinguish between free water and bound water.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

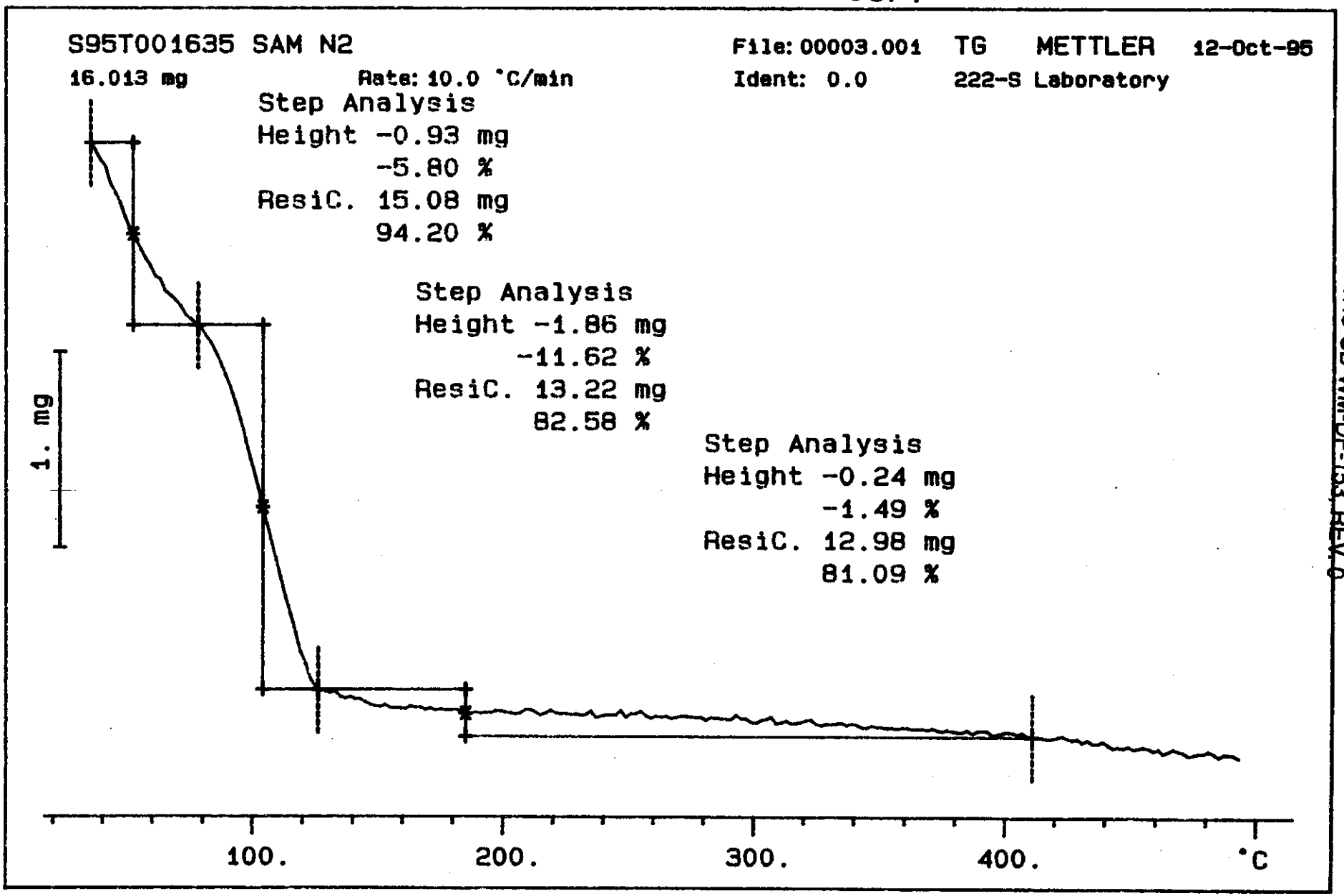
BEST AVAILABLE COPY

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 786 TO 790.

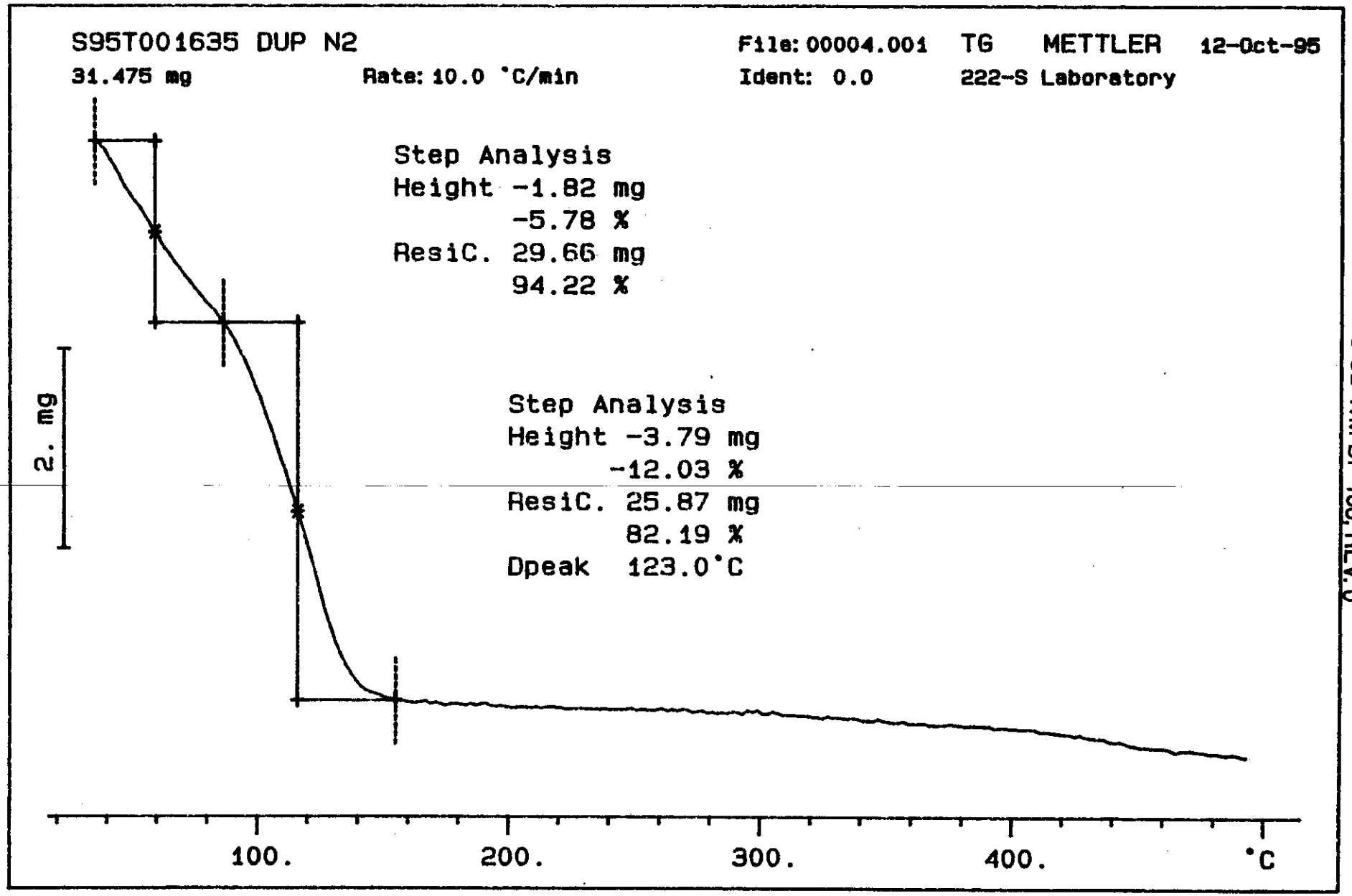


Cathy Perrito 10-12-95

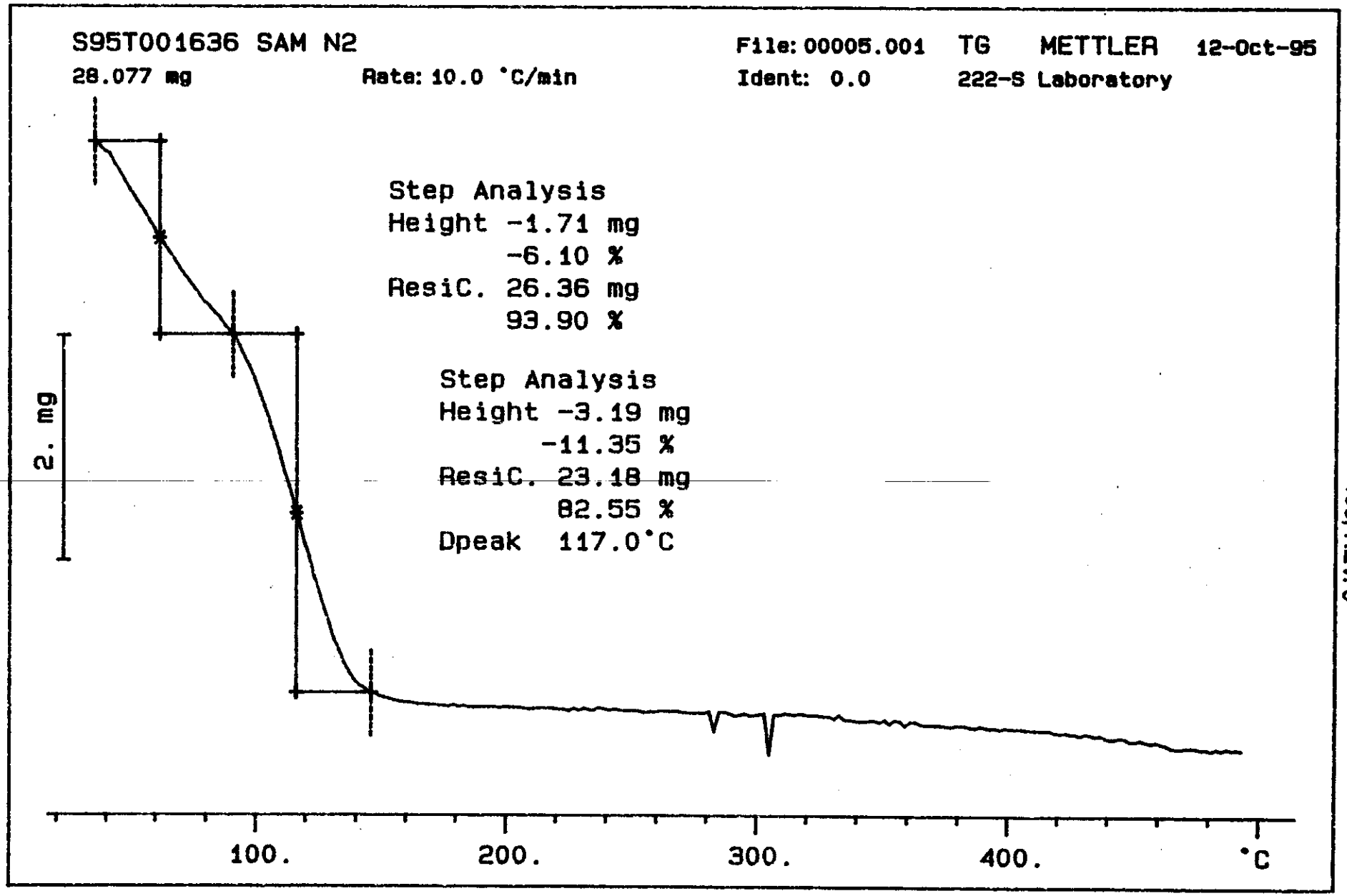
BEST AVAILABLE COPY



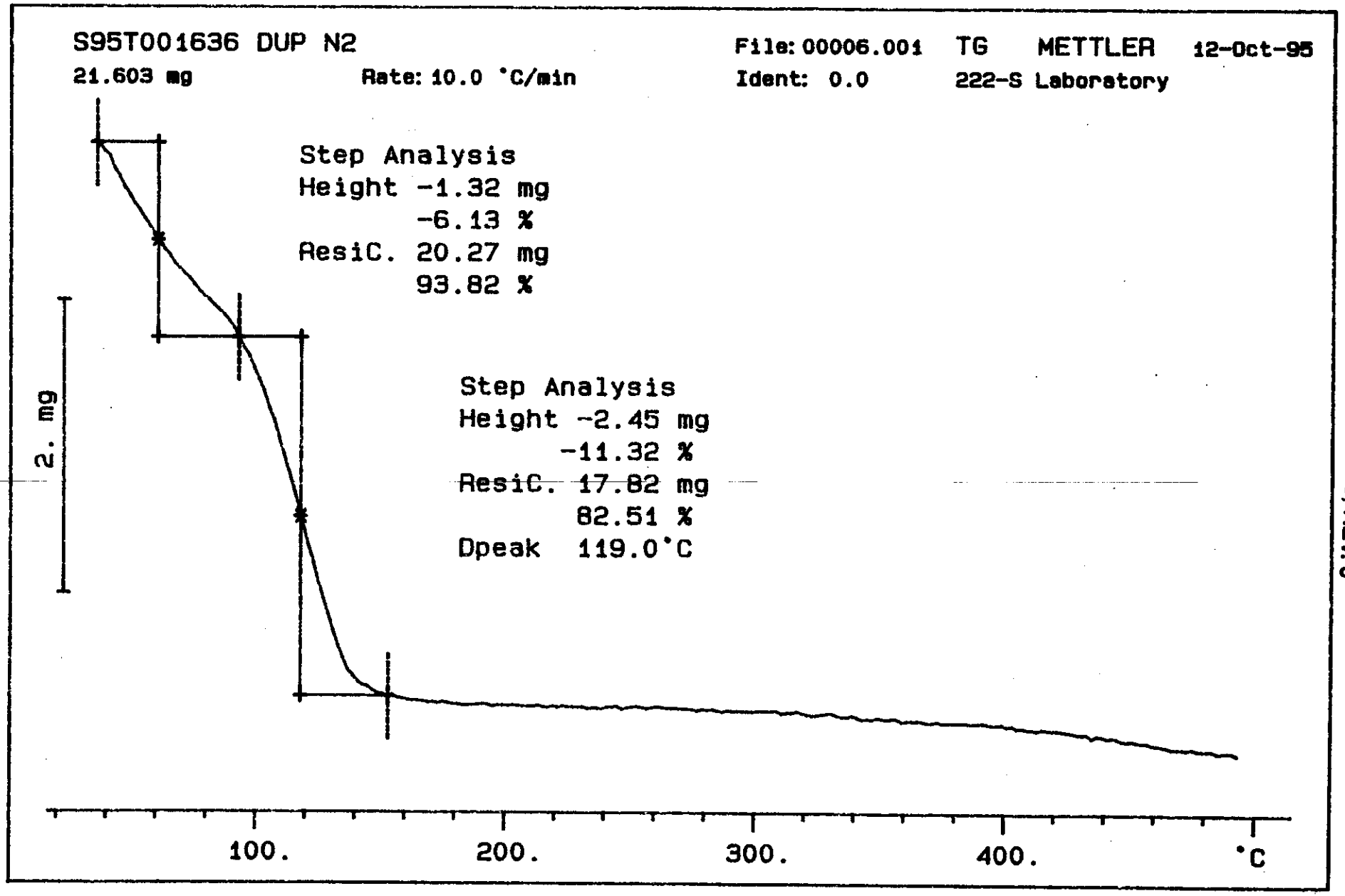
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 2960

Analyst: JDS **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-D

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.89	N/A	%
95000144	BY-110	2	SAMPLE	S95T002872	0		TGA-01	SOLID	N/A	16.28		%
95000144	BY-110	3	DUP	S95T002872	0		TGA-01	SOLID	16.28	14.34	N/A	%
95000144	BY-110	4	SAMPLE	S95T002880	0		TGA-01	SOLID	N/A	10.33		%
95000144	BY-110	5	DUP	S95T002880	0		TGA-01	SOLID	10.33	6.99	N/A	%
		6	STD				TGA-01	SOLID	59.74	60.53	N/A	%
95000144	BY-110	7	SAMPLE	S95T002887	0		TGA-01	SOLID	N/A	12.28		%
95000144	BY-110	8	DUP	S95T002887	0		TGA-01	SOLID	12.28	13.43	N/A	%
		9	STD				TGA-01	SOLID	59.74	60.58	N/A	%
95000144	BY-110	10	SAMPLE	S95T002894	0		TGA-01	SOLID	N/A	45.67		%
95000144	BY-110	11	DUP	S95T002894	0		TGA-01	SOLID	45.67	44.38	N/A	%

Final page for worklist # 2960

See attached for Signatures
Analyst Signature **Date**

Gary Hammett 11/17/95
Analyst Signature **Date**

Verified by Biandina Valenzuela
11/21/95

S95T002880 a triplicate will be run on this sample due to high RPD'S.

Data Entry Comments: S95T002887 duplicate produced a second weight step of 1.76%, and the vibration seen on the thermogram is due to vibration in the lab.

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2960

Analyst: ADP **Instrument:** TGA0 _____ **Book #** 65N8A

Method: LA-560-112 Rev/Mod 30

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000144	BY-110	2	SAMPLE	S95T002872	0		TGA-01	SOLID	N/A			%
95000144	BY-110	3	DUP	S95T002872	0		TGA-01	SOLID			N/A	%
95000144	BY-110	4	SAMPLE	S95T002880	0		TGA-01	SOLID	N/A			%
95000144	BY-110	5	DUP	S95T002880	0		TGA-01	SOLID			N/A	%
95000144	BY-110	6	SAMPLE	S95T002887	0		TGA-01	SOLID	N/A			%
95000144	BY-110	7	DUP	S95T002887	0		TGA-01	SOLID			N/A	%
95000144	BY-110	8	SAMPLE	S95T002894	0		TGA-01	SOLID	N/A			%
95000144	BY-110	9	DUP	S95T002894	0		TGA-01	SOLID			N/A	%
95000171	BY-110	10	SAMPLE	S95T003430	0		TGA-01	SOLID	N/A			%
95000171	BY-110	11	DUP	S95T003430	0		TGA-01	SOLID			N/A	%
95000171	BY-110	12	SAMPLE	S95T003438	0		TGA-01	SOLID	N/A			%
95000171	BY-110	13	DUP	S95T003438	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2960

Anthony Purnell 11-13-95
Analyst Signature **Date**

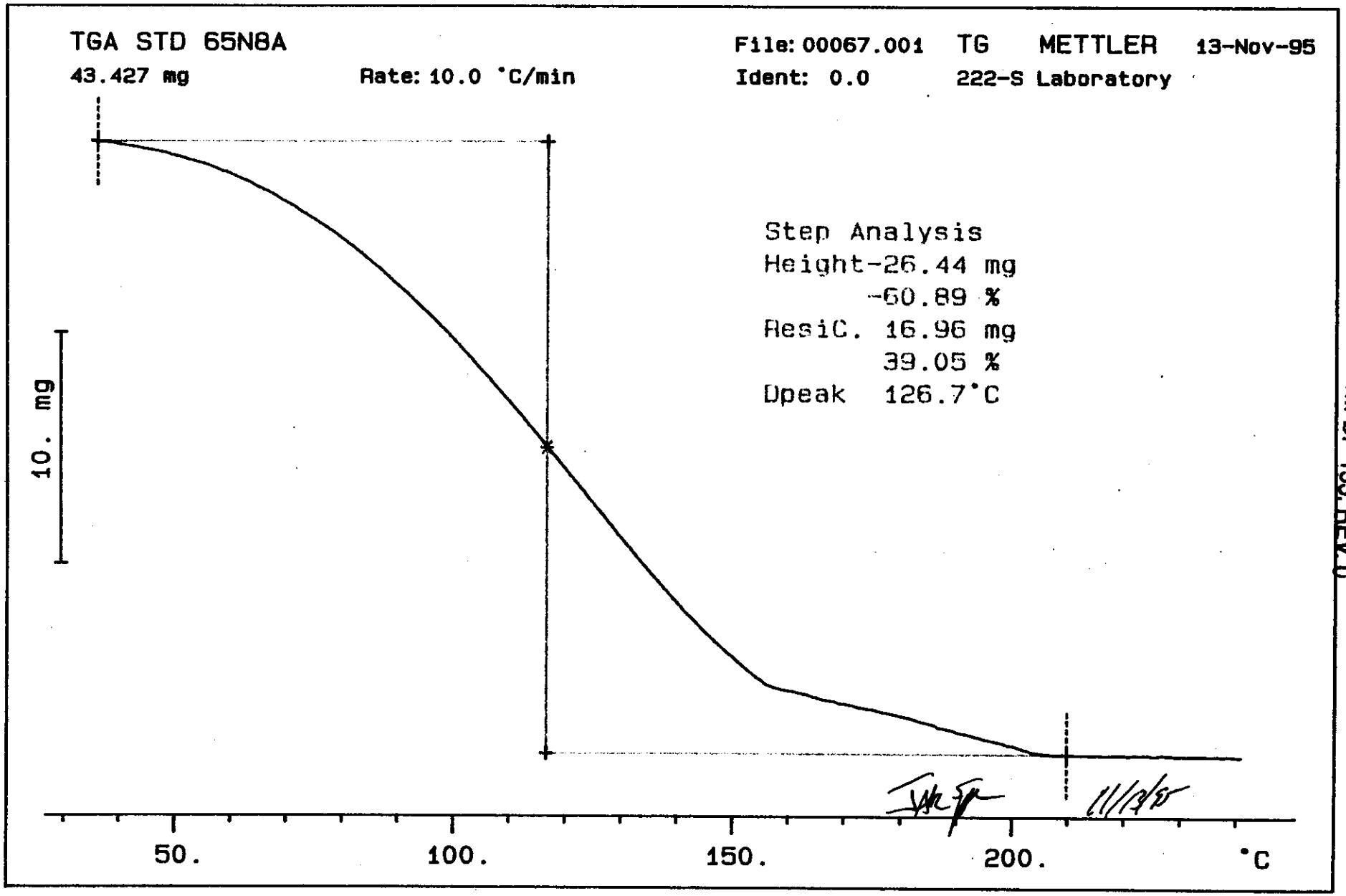
Analyst Signature **Date**

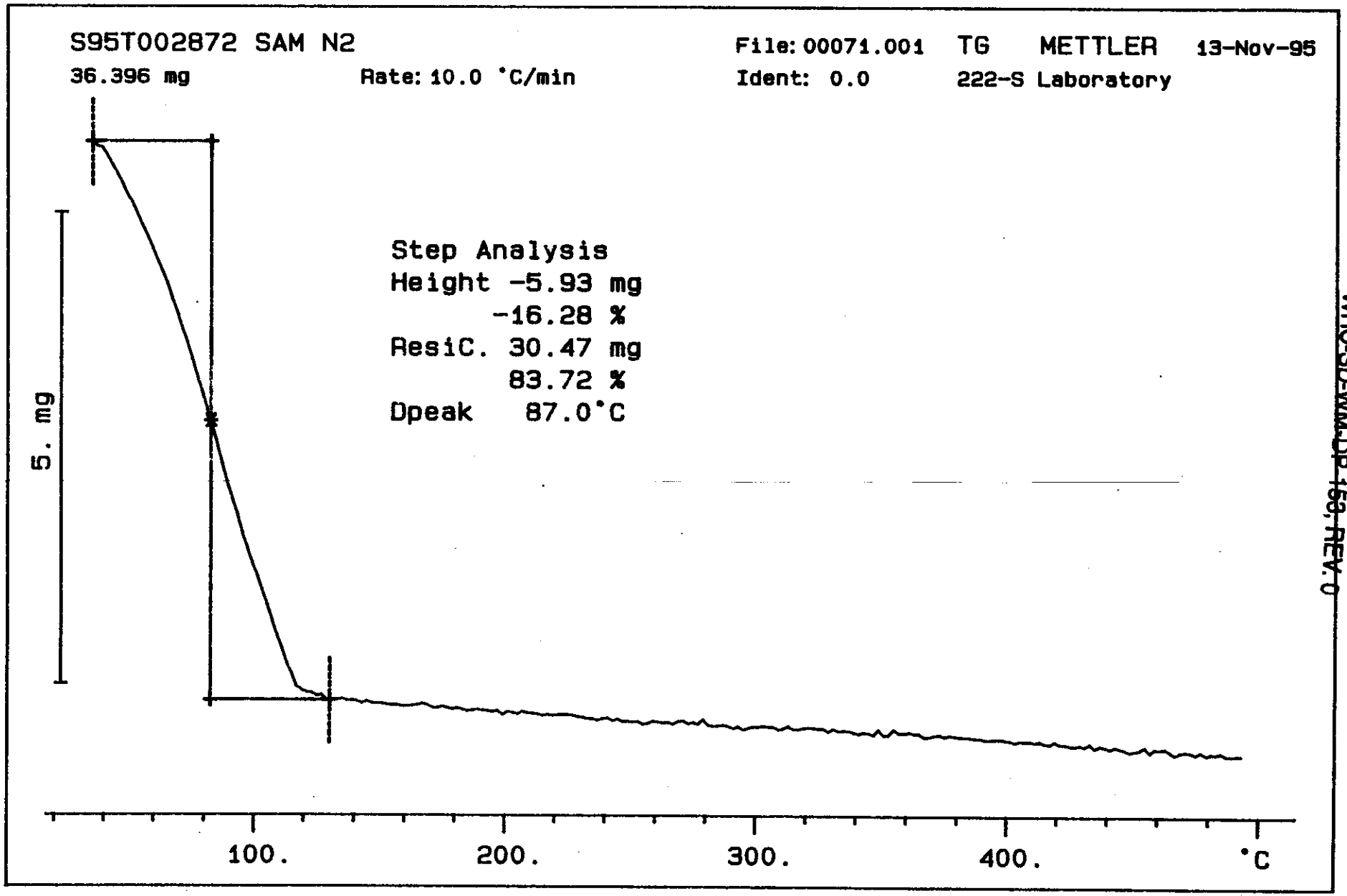
Jon Fox 11-14-95

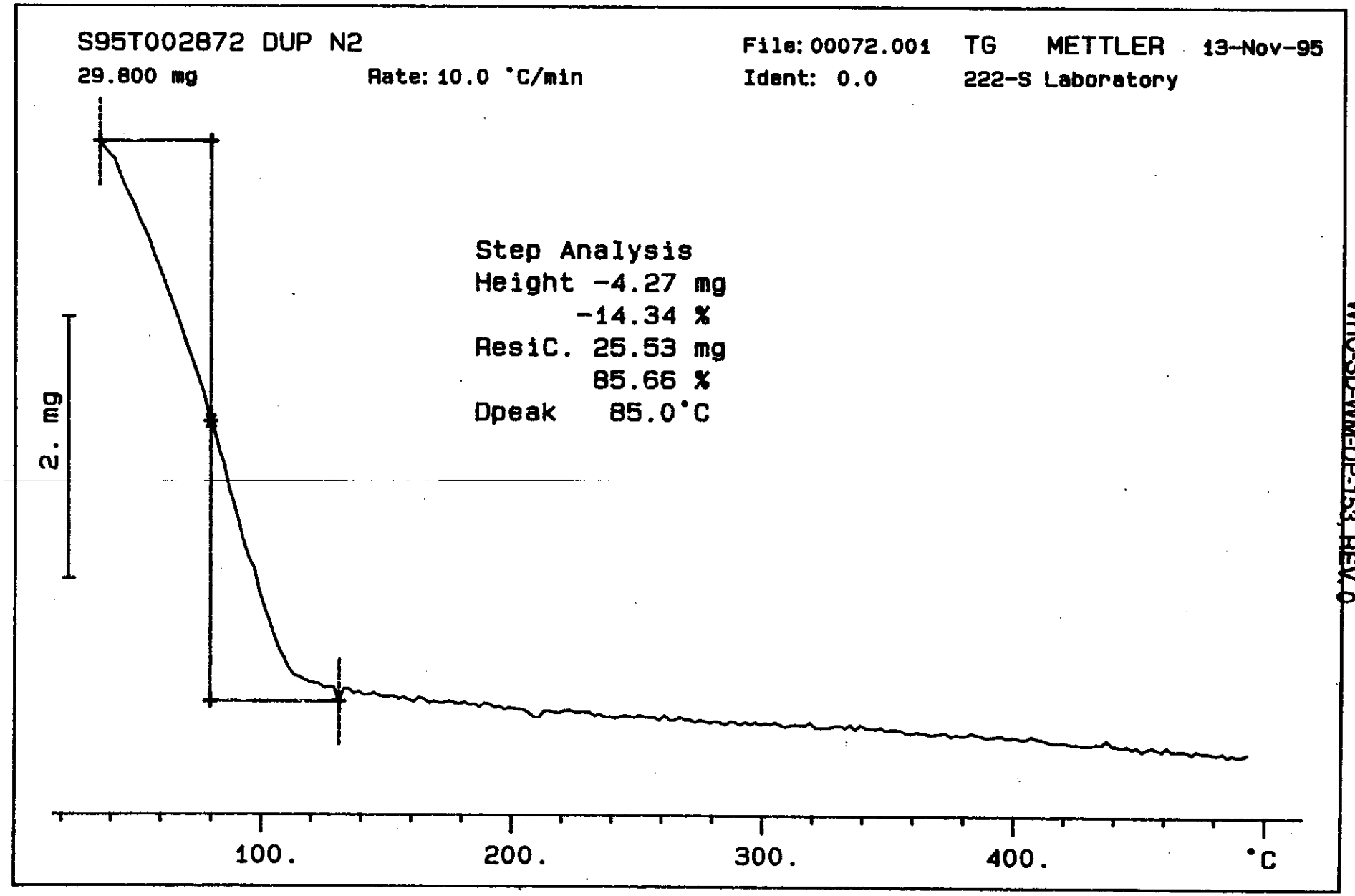
Data Entry Comments:

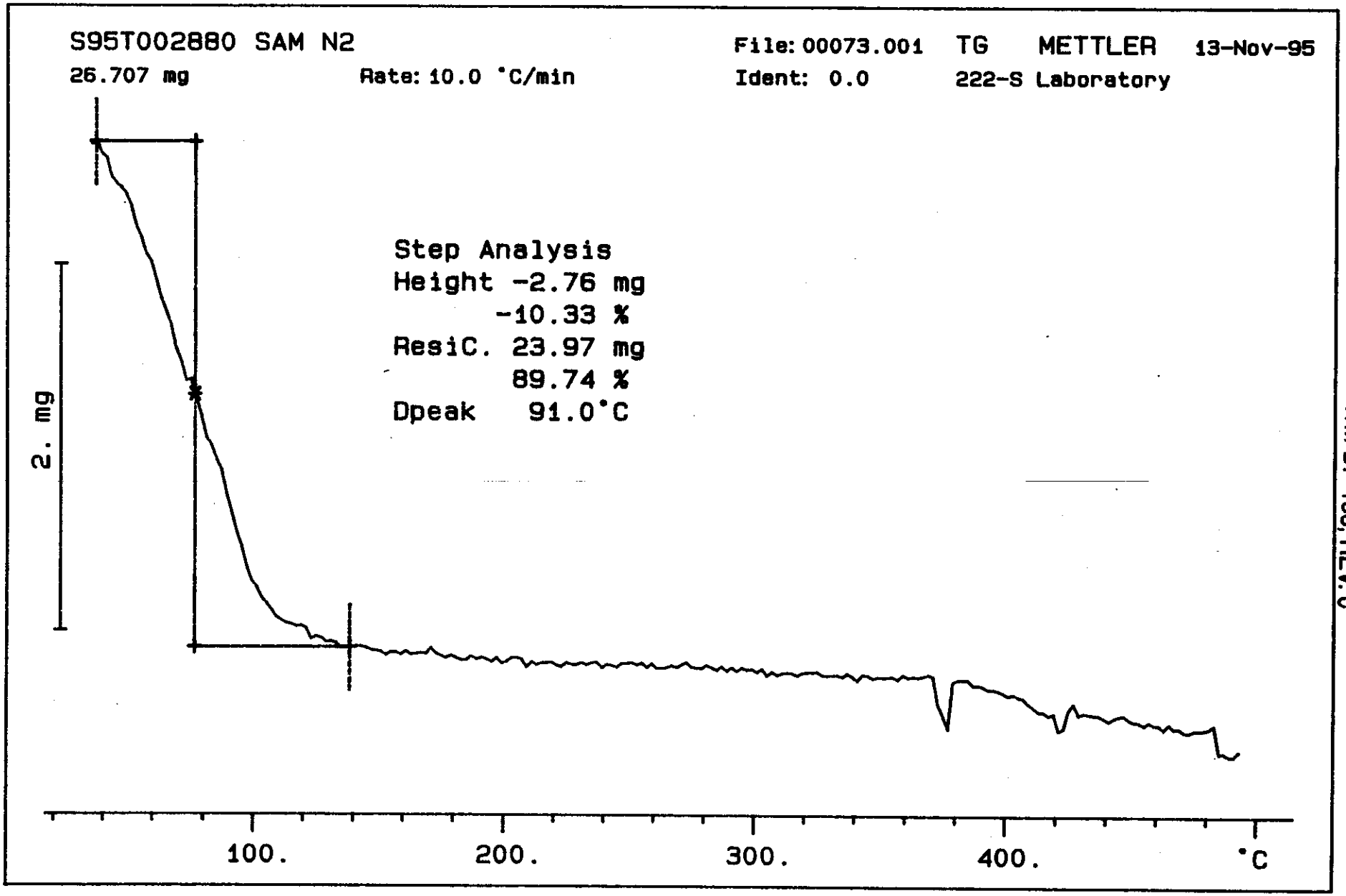
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

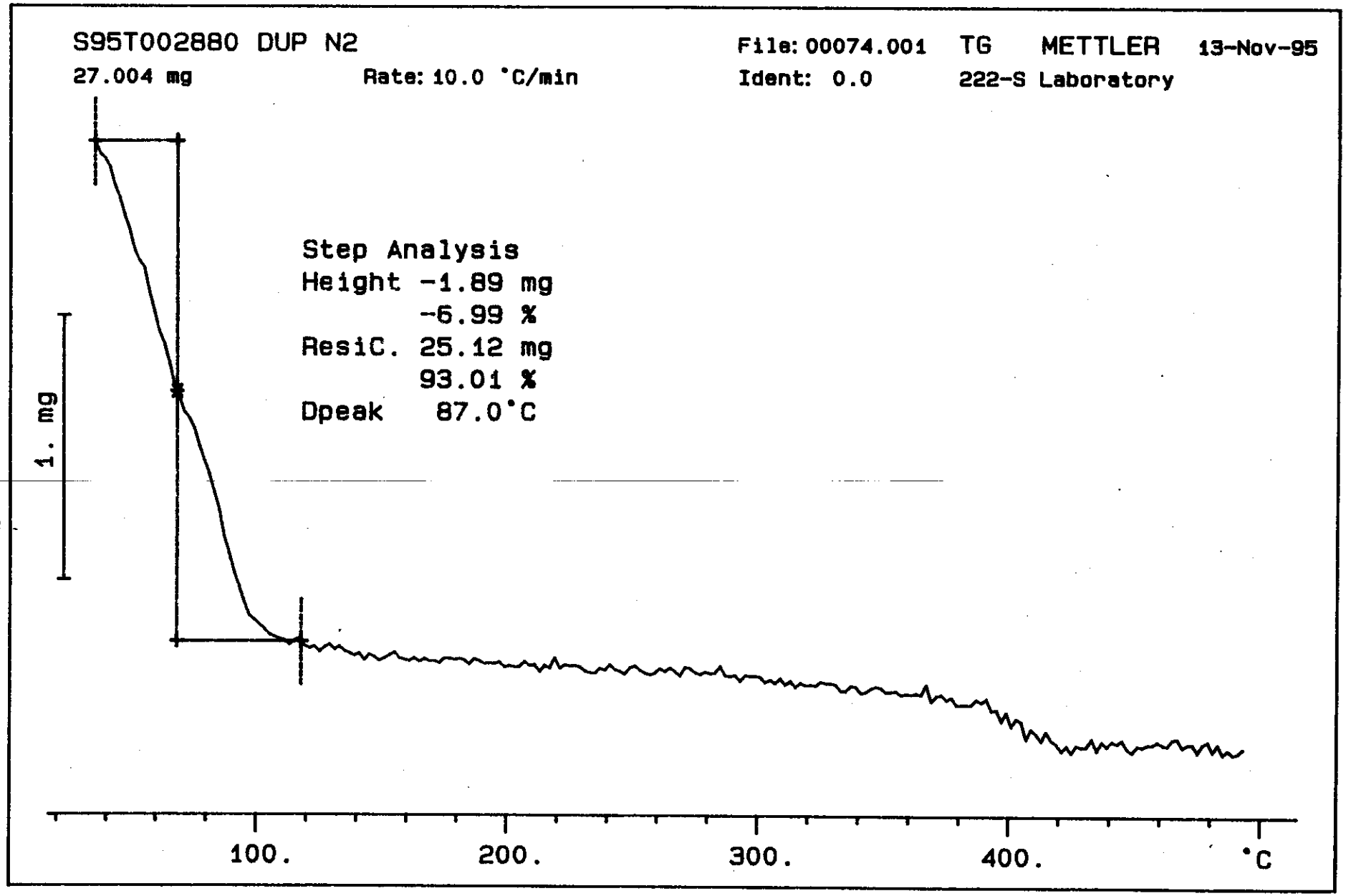
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 793 TO 803.

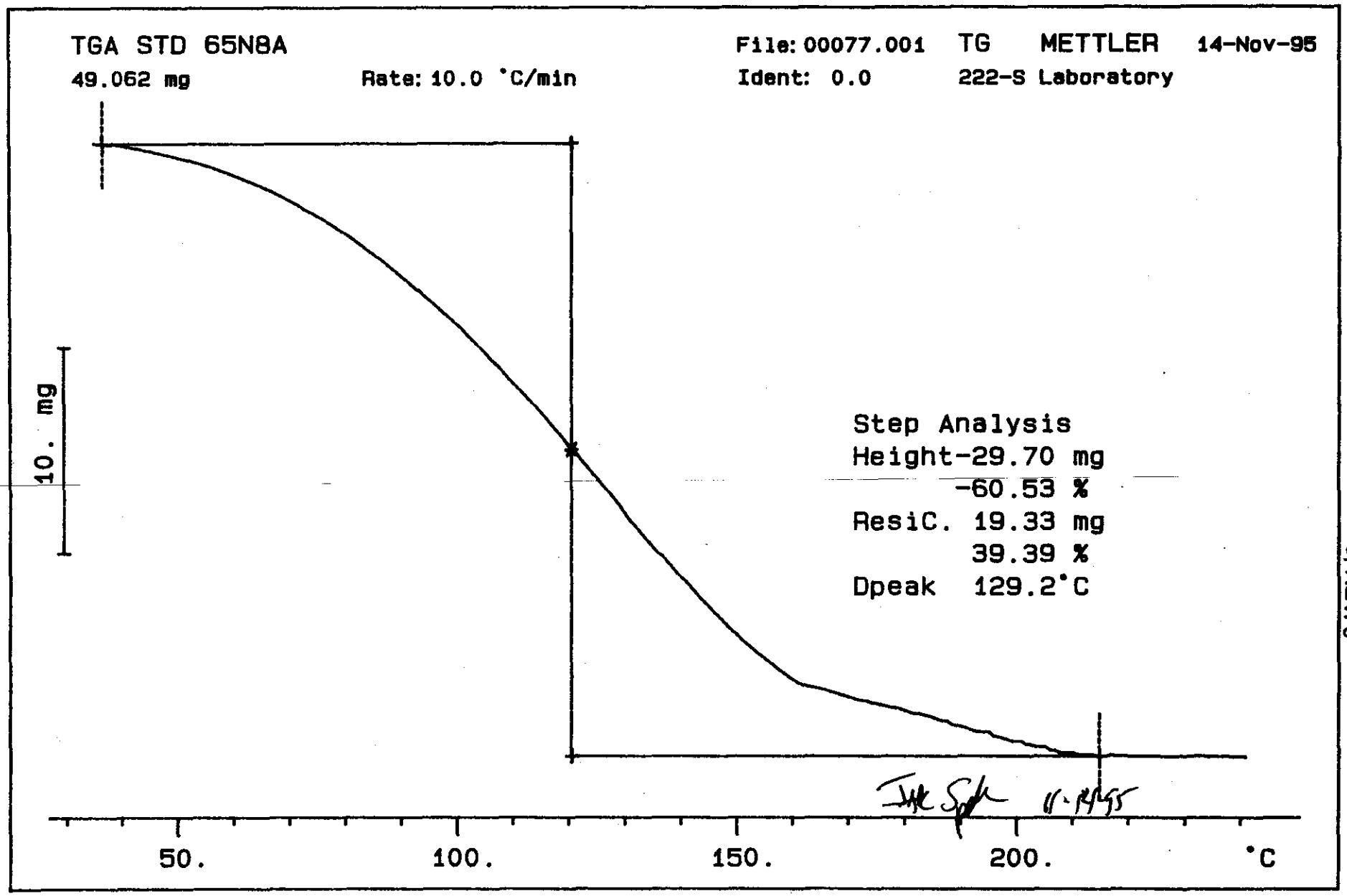


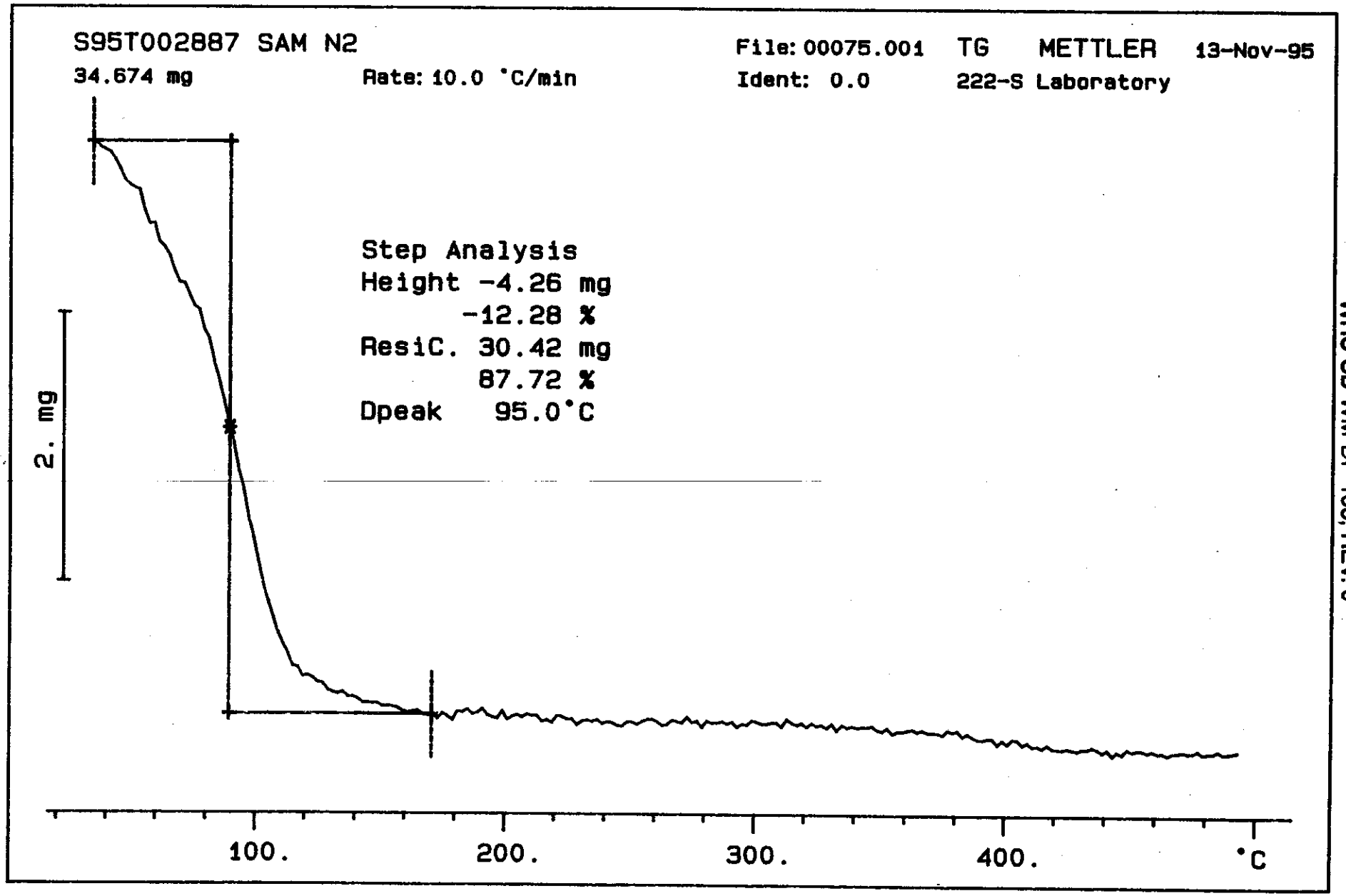

S95T002872 SAM N2
36.396 mg
Rate: 10.0 °C/min
File: 00071.001
TG METTLER
13-Nov-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -5.93 mg
-16.28 %
ResiC. 30.47 mg
83.72 %
Dpeak 87.0°C
5. mg
100.
200.
300.
400.
°C


S95T002872 DUP N2
29.800 mg
Rate: 10.0 °C/min
File: 00072.001
TG
METTLER
13-Nov-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -4.27 mg
-14.34 %
ResiC. 25.53 mg
85.66 %
Dpeak 85.0°C
2. mg
100.
200.
300.
400.
°C

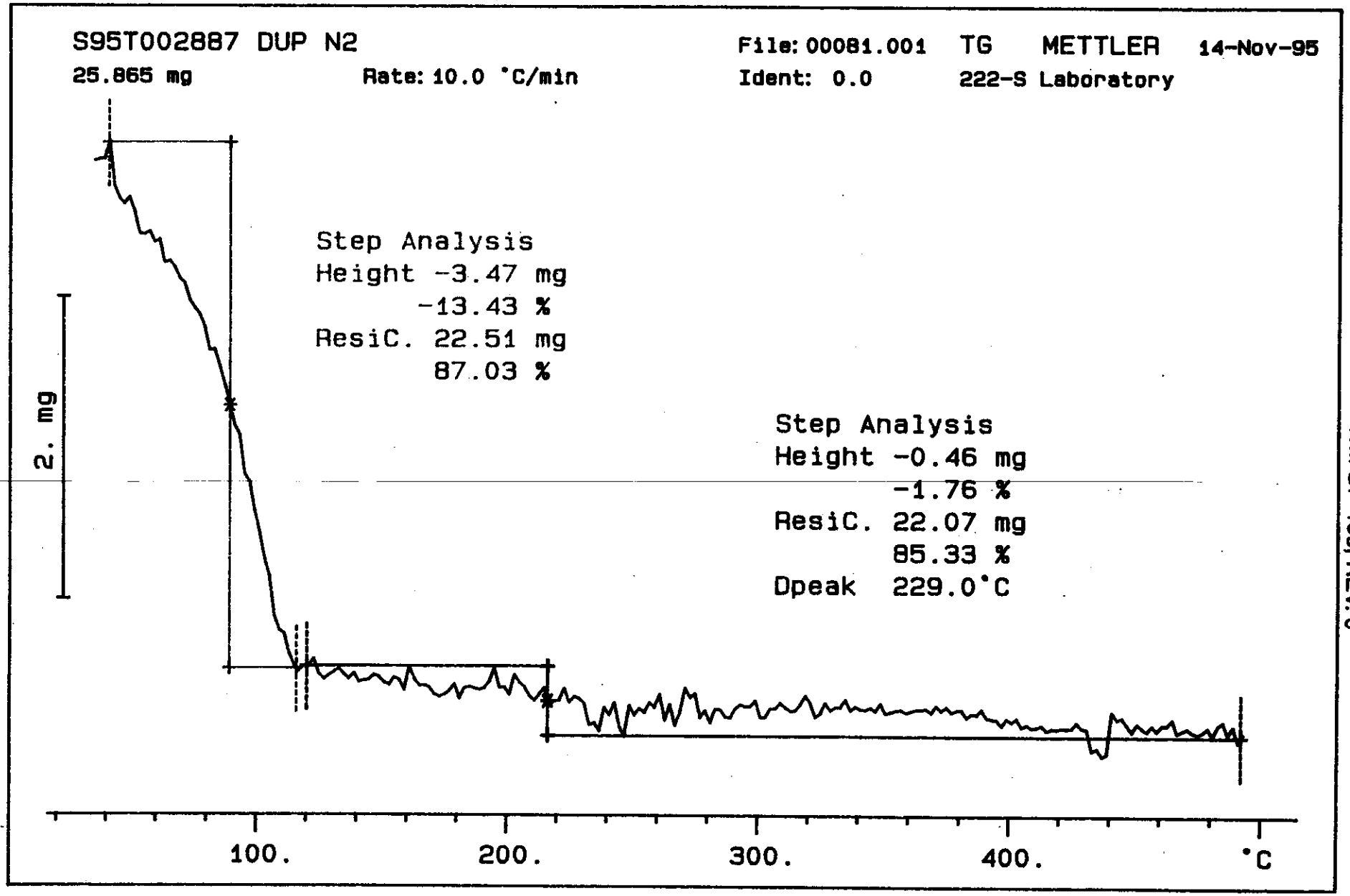

S95T002880 SAM N2
26.707 mg
Rate: 10.0 °C/min
File: 00073.001
Ident: 0.0
TG
METTLER
222-S Laboratory
13-Nov-95
Step Analysis
Height -2.76 mg
-10.33 %
ResiC. 23.97 mg
89.74 %
Dpeak 91.0°C
2. mg
100.
200.
300.
400.
°C

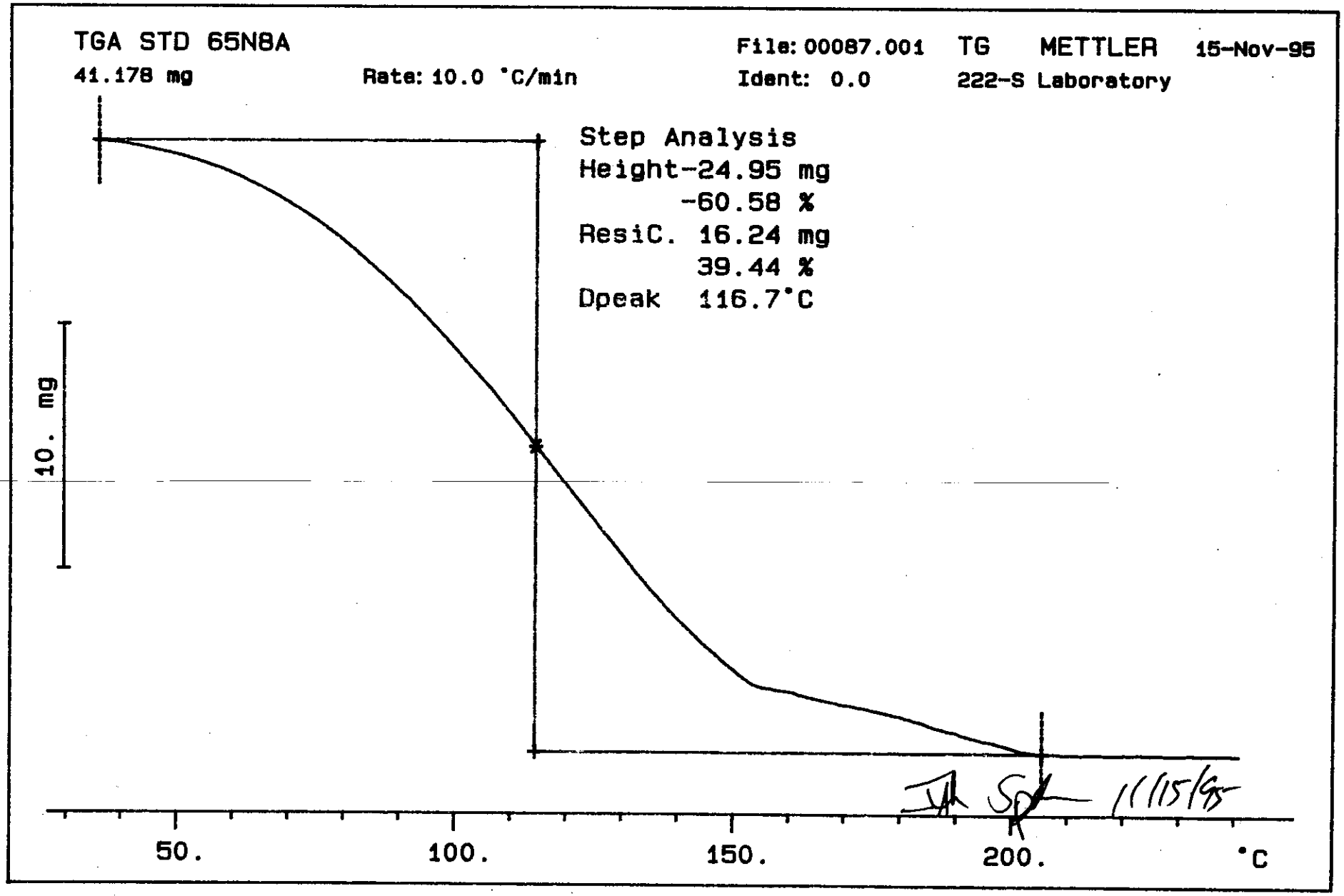

S95T002880 DUP N2
27.004 mg
Rate: 10.0 °C/min
File: 00074.001
TG
METTLER
13-Nov-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -1.89 mg
-6.99 %
ResiC. 25.12 mg
93.01 %
Dpeak 87.0°C
1. mg
100.
200.
300.
400.
°C

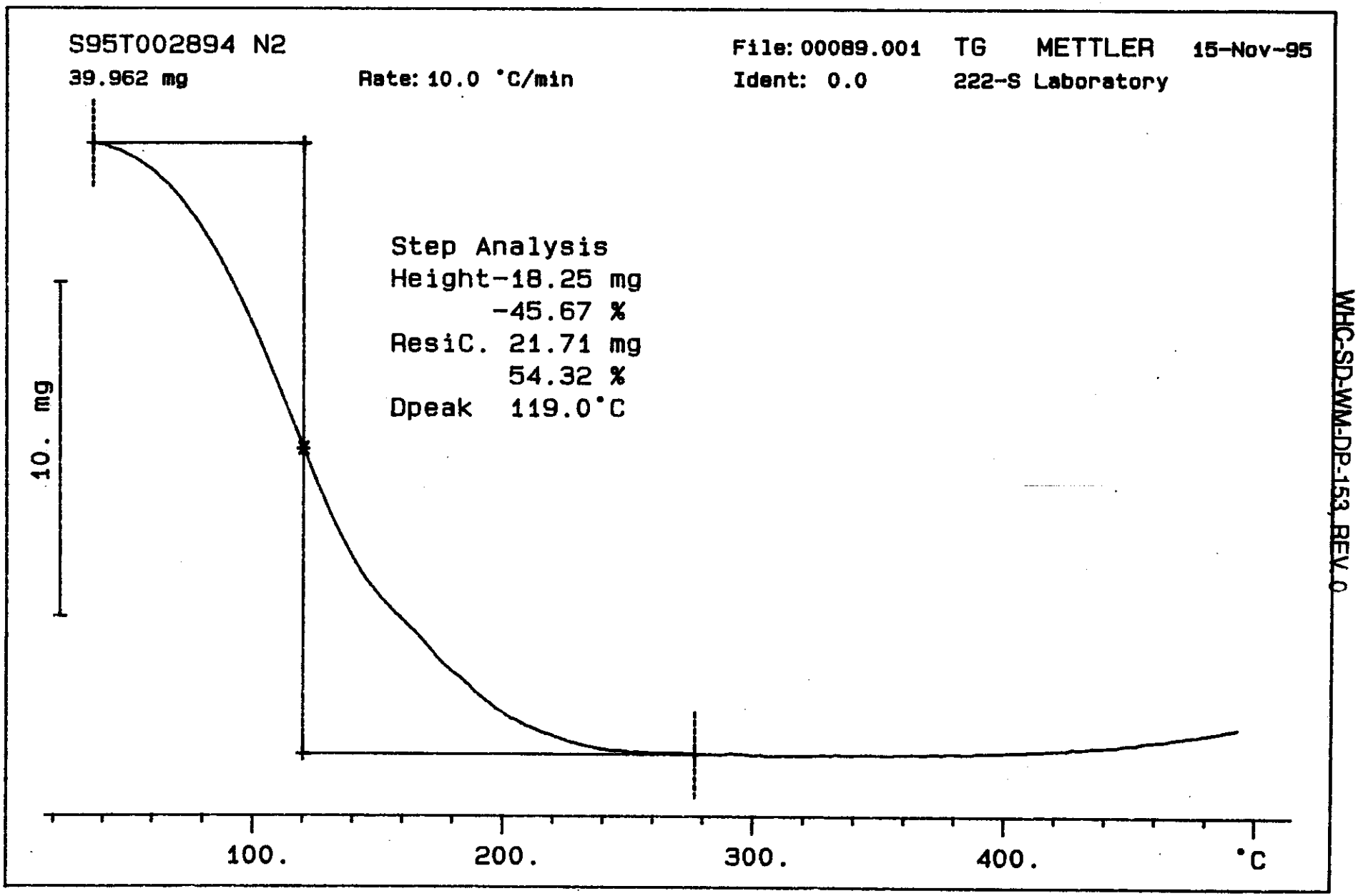

TGA STD 65N8A
49.062 mg
Rate: 10.0 °C/min
File: 00077.001
TG
METTLER
14-Nov-95
Ident: 0.0
222-S Laboratory
10. mg
Step Analysis
Height -29.70 mg
-60.53 %
ResiC. 19.33 mg
39.39 %
Dpeak 129.2°C
50.
100.
150.
200.
°C


S95T002887 SAM N2
34.674 mg
Rate: 10.0 °C/min
File: 00075.001
Ident: 0.0
TG
METTLER
222-S Laboratory
13-Nov-95
Step Analysis
Height -4.26 mg
-12.28 %
ResiC. 30.42 mg
87.72 %
Dpeak 95.0°C
2. mg
100.
200.
300.
400.
°C

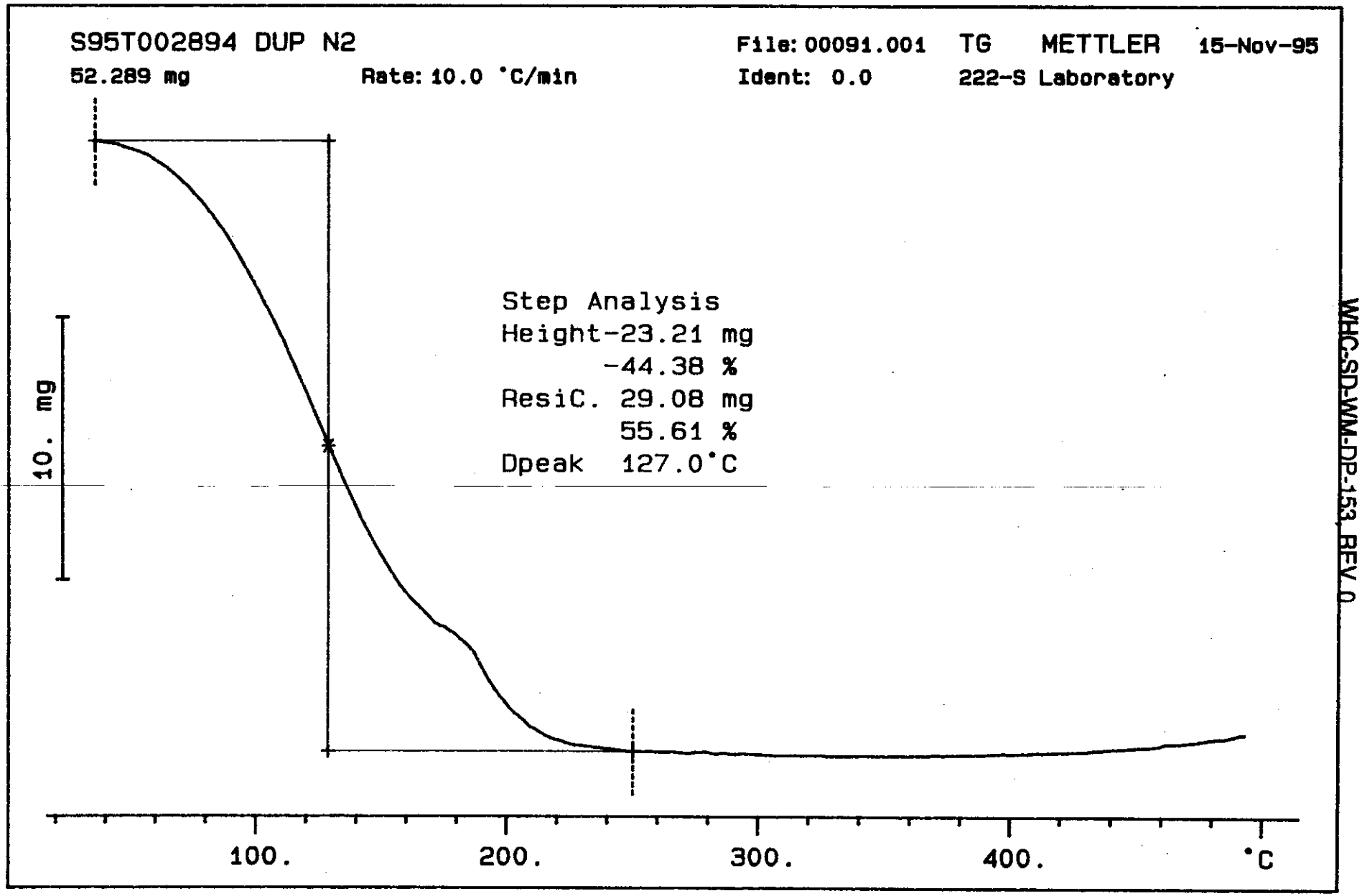
BEST AVAILABLE COPY




TGA STD 65N8A
41.178 mg
Rate: 10.0 °C/min
File: 00087.001
Ident: 0.0
TG
METTLER
222-S Laboratory
15-Nov-95
Step Analysis
Height -24.95 mg
-60.58 %
ResiC. 16.24 mg
39.44 %
Dpeak 116.7°C
10. mg
50.
100.
150.
200.
°C
11/15/95


S95T002894 N2
39.962 mg
Rate: 10.0 °C/min
File: 00089.001
TG
METTLER
15-Nov-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height-18.25 mg
-45.67 %
ResiC. 21.71 mg
54.32 %
Dpeak 119.0°C
10. mg
100.
200.
300.
400.
°C

BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 3157

Analyst: ADP **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-1

Worklist Comment: RUSH SAMPLES! please run under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.07	N/A	%
95000171	BY-110	2	SAMPLE	S95T003187	0		TGA-03	SOLID	N/A	29.94		%
		3	STD				TGA-03	SOLID	59.74	60.32	N/A	%
95000171	BY-110	4	DUP	S95T003187	0		TGA-03	SOLID	29.94	31.89	N/A	%
95000171	BY-110	5	SAMPLE	S95T003188	0		TGA-03	SOLID	N/A	9.98		%
95000171	BY-110	6	DUP	S95T003188	0		TGA-03	SOLID	9.98	10.7	N/A	%

Final page for worklist # 3157

See attached for signatures

Analyst Signature **Date** 11-4-95

Verified by Blandina Valenzuela 11-8-95

Analyst Signature **Date**

Data Entry Comments: S95T003187 produced a second weight loss step of 3.86%. S95T003188 produced a second weight loss steps of 21.26% and 2.31%

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3157

Analyst: ADP **Instrument:** TGA0 _____ **Book #** 65N8A

Method: ~~LA-560-112~~ ADP 11-4-95 LA-514-114 Rev/Mod ~~0 0~~ 11-6-95 BDV

Worklist Comment: RUSH SAMPLES! please run under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000171	BY-110	2	SAMPLE	S95T003187	0		TGA-01	SOLID	N/A			%
95000171	BY-110	3	DUP	S95T003187	0		TGA-01	SOLID			N/A	%
95000171	BY-110	4	SAMPLE	S95T003188	0		TGA-01	SOLID	N/A			%
95000171	BY-110	5	DUP	S95T003188	0		TGA-01	SOLID			N/A	%

Final page for worklist # 3157

Anthony Purnta 11-4-95
Analyst Signature **Date**

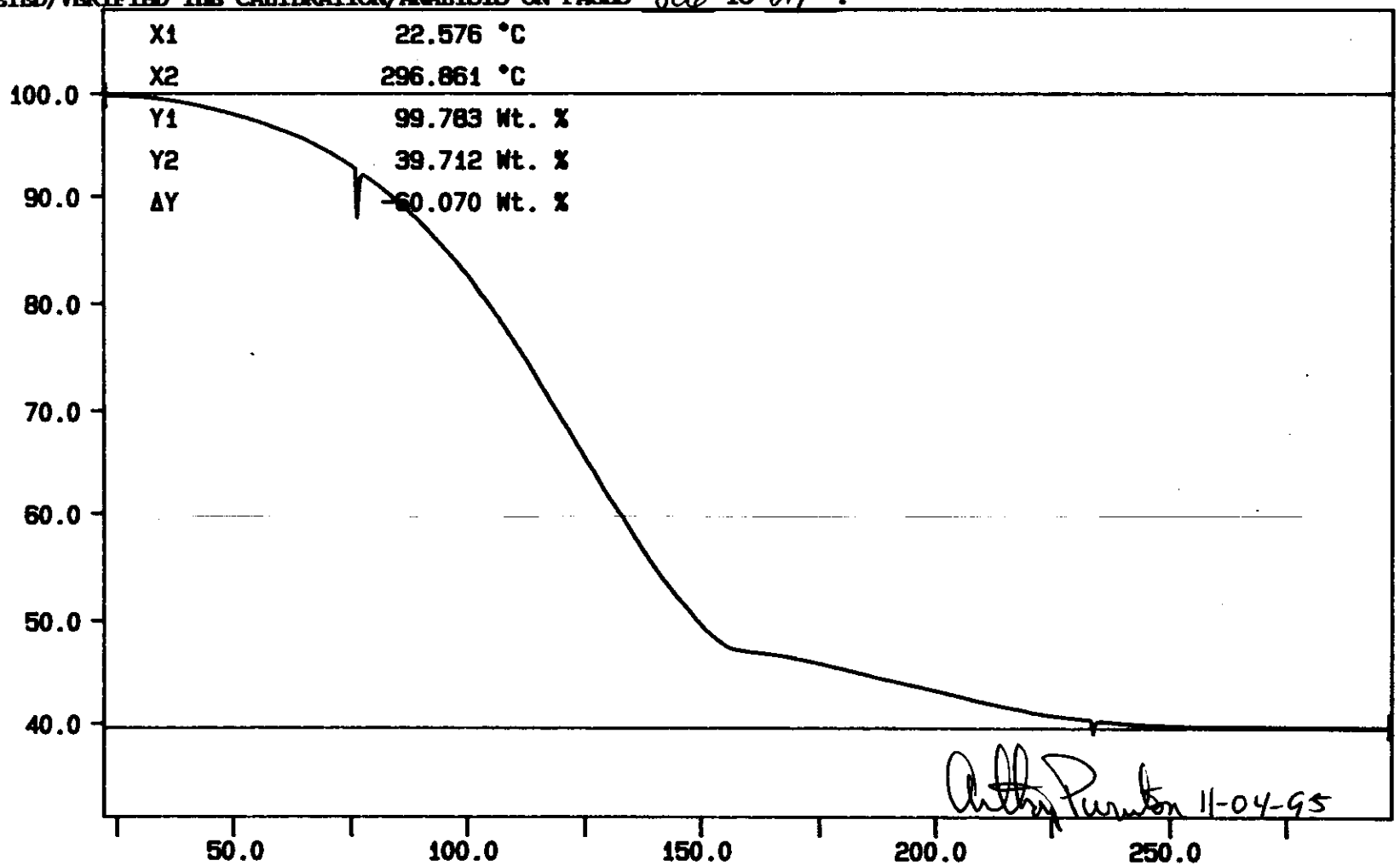
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER110401 Sat Nov 4 11:31:01 1995
Sample Weight: 13.558 mg
65N8-A Terliq

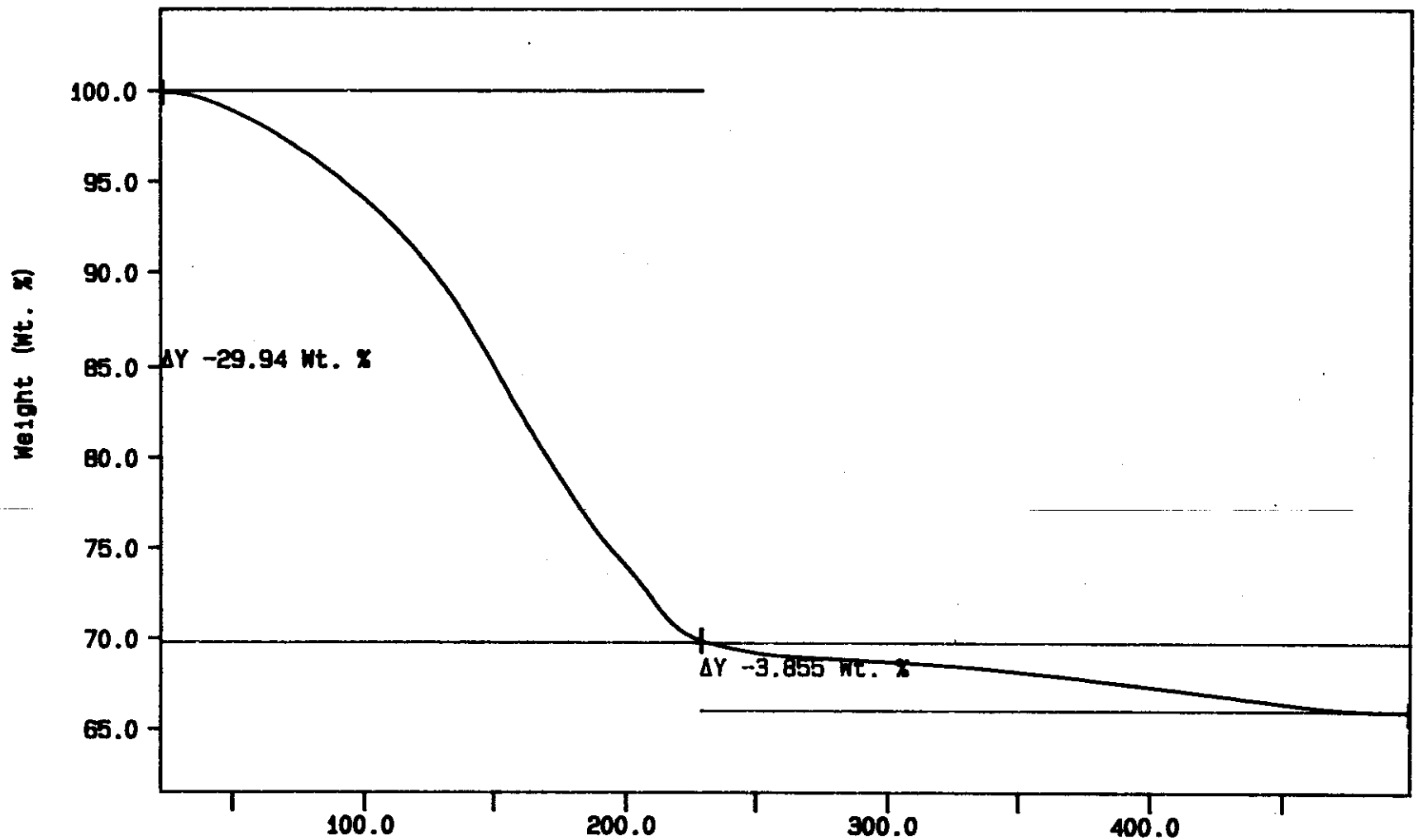
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 806 TO 811 .



N2 10C/MIN
TEMP1: 25.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Sat Nov 4 13:11:43 1995

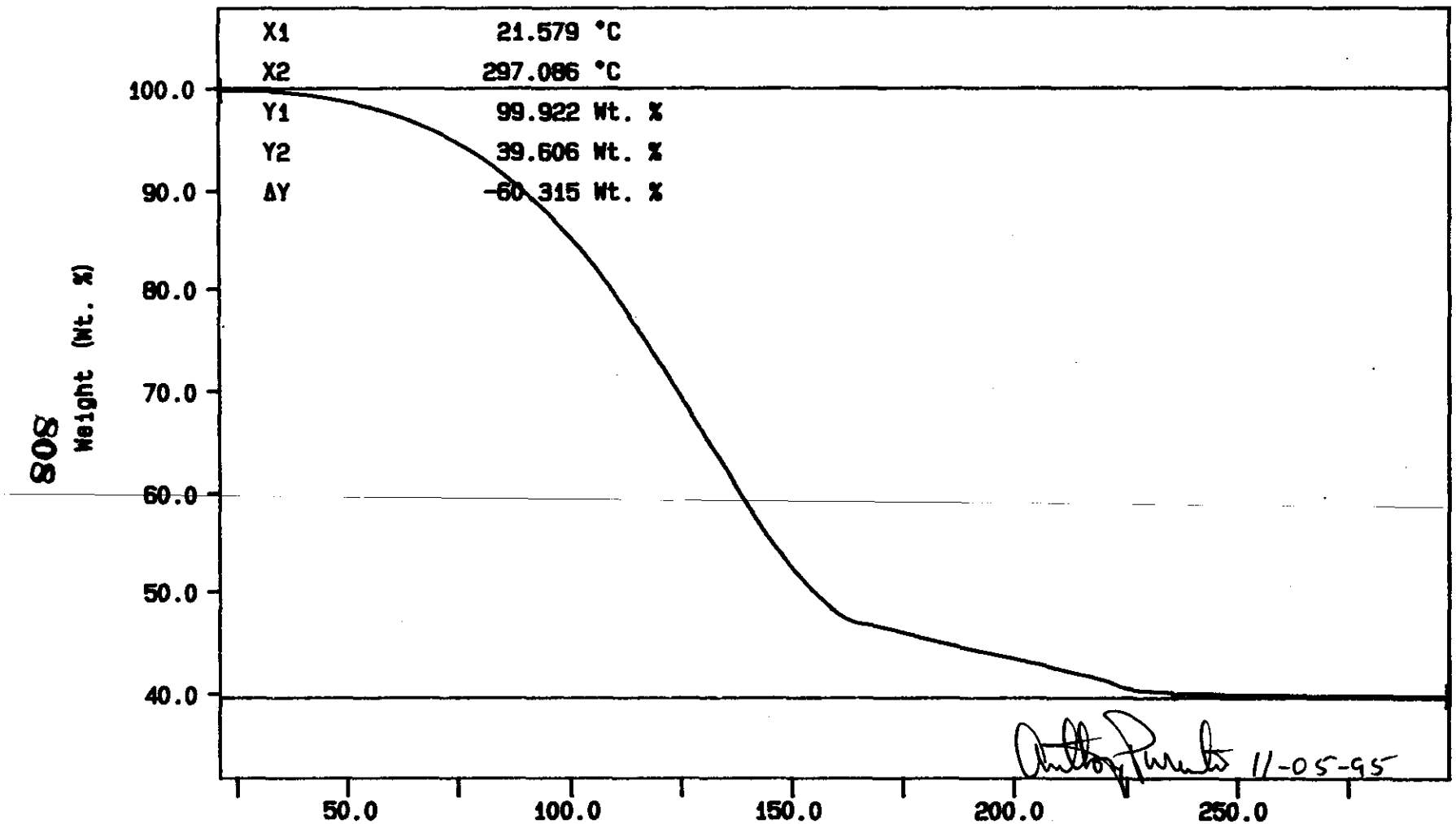
Curve 1: TGA
File info: SAM110401 Sat Nov 4 14:21:07 1995
Sample Weight: 22.609 mg
S95T003187 SAM



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AOP 11-4-95
~~PJ MCCOWN~~ AD Purinton
PERKIN-ELMER
7 Series Thermal Analysis System
Sat Nov 4 14:23:39 1995

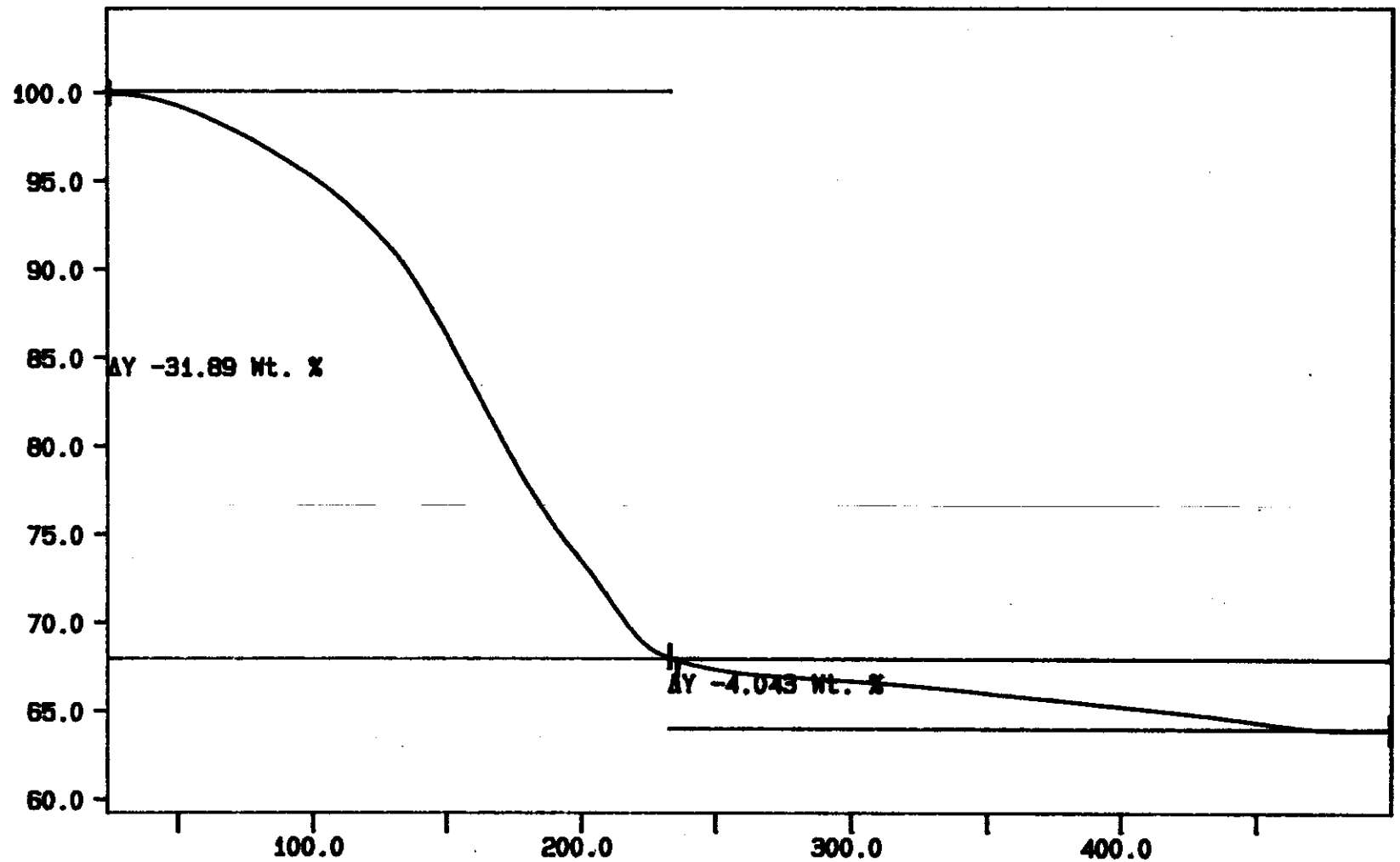
Curve 1: TGA
File info: TER110501 Sun Nov 5 08:42:56 1995
Sample Weight: 15.650 mg
65N8-A Terliq



N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Nov 5 08:56:06 1995

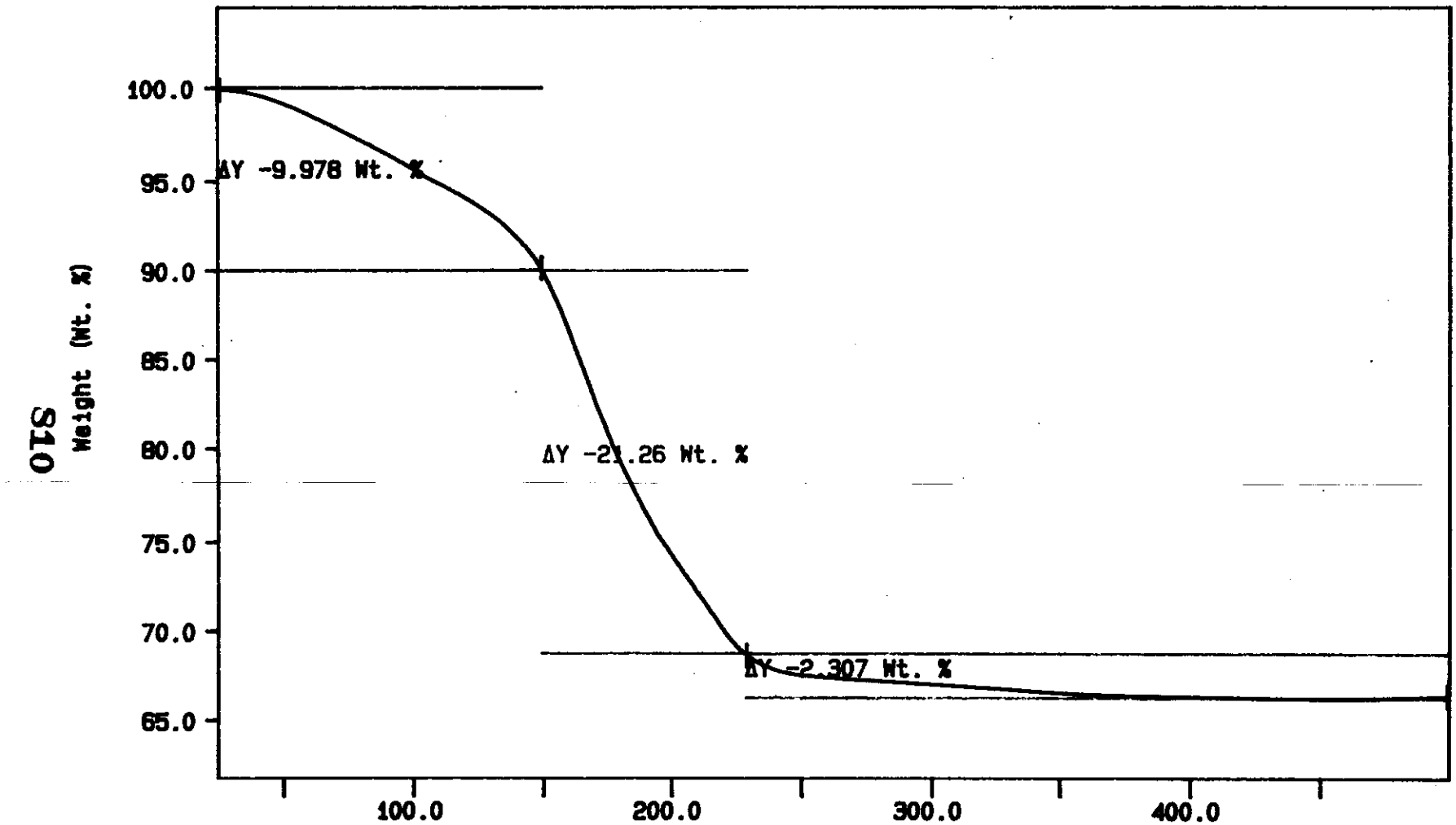
Curve 1: TGA
File info: SAM110501 Sun Nov 5 10:09:11 1995
Sample Weight: 24.633 mg
S92T003187 DUP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Mon Nov 6 13:55:45 1995

Curve 1: TGA
File info: SAM110502 Sun Nov 5 11:24:41 1995
Sample Weight: 27.372 mg
S95T003188 SAM

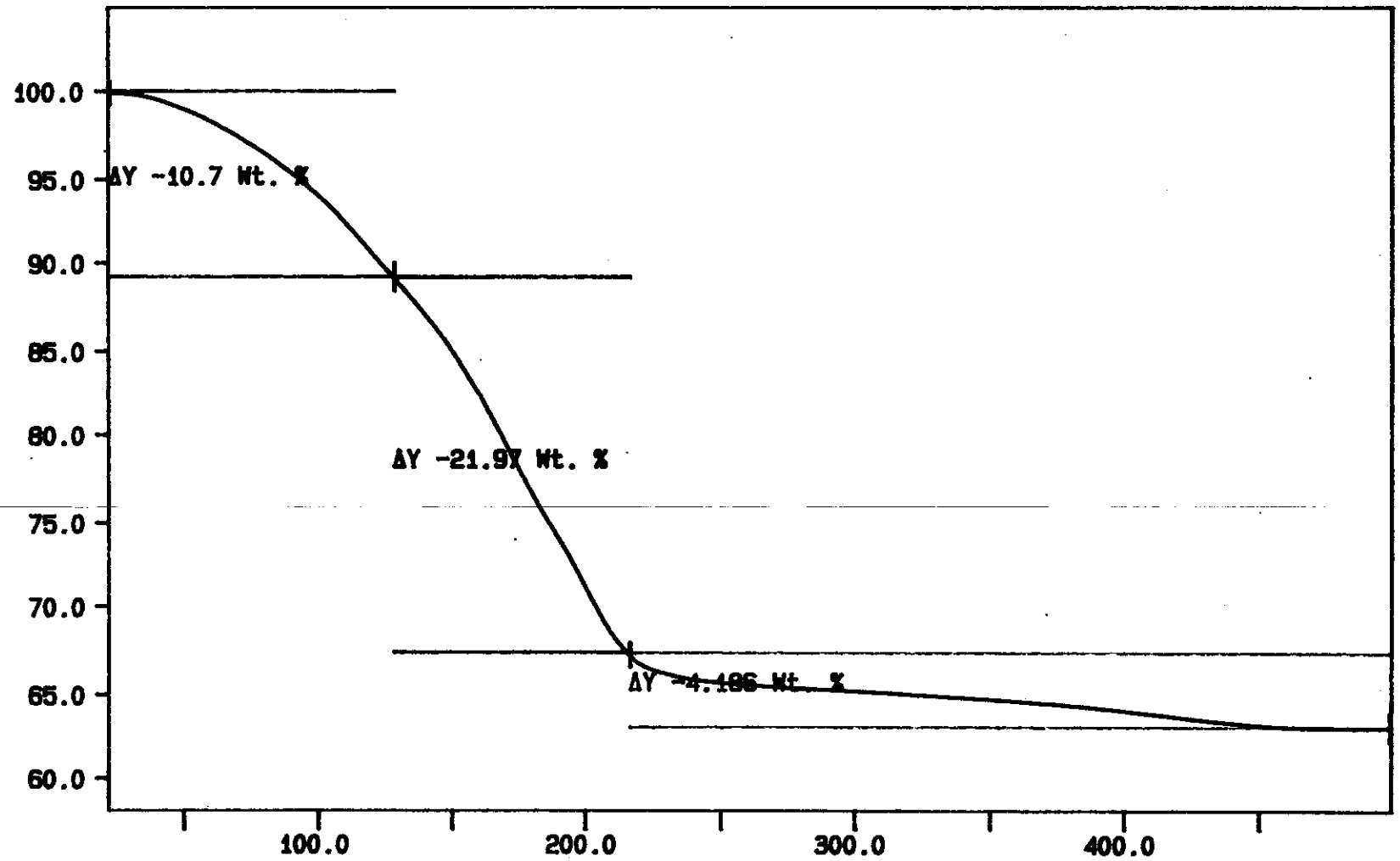


10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Nov 5 11:58:55 1995

S10

Curve 1: TGA
File info: SAM110503 Sun Nov 5 12:56:45 1995
Sample Weight: 23.903 mg
S95T003188 DUP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Sun Nov 5 13:01:16 1995

LABCORE Data Entry Template for Worklist# 3158

Analyst: ADP **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.53	N/A	%
95000171	BY-110	2 SAMPLE	S95T003176	0		TGA-01	SOLID	N/A	31.91		%
95000171	BY-110	3 DUP	S95T003176	0		TGA-01	SOLID	31.91	31.83	N/A	%
95000171	BY-110	4 SAMPLE	S95T003186	0		TGA-01	SOLID	N/A	31.03		%
95000171	BY-110	5 DUP	S95T003186	0		TGA-01	SOLID	31.03	32.37	N/A	%

Final page for worklist # 3158

B. Valenzuela for ADPurinton
Analyst Signature **Date** 11/16/95
Verified by Blandina Valenzuela 11/21/95

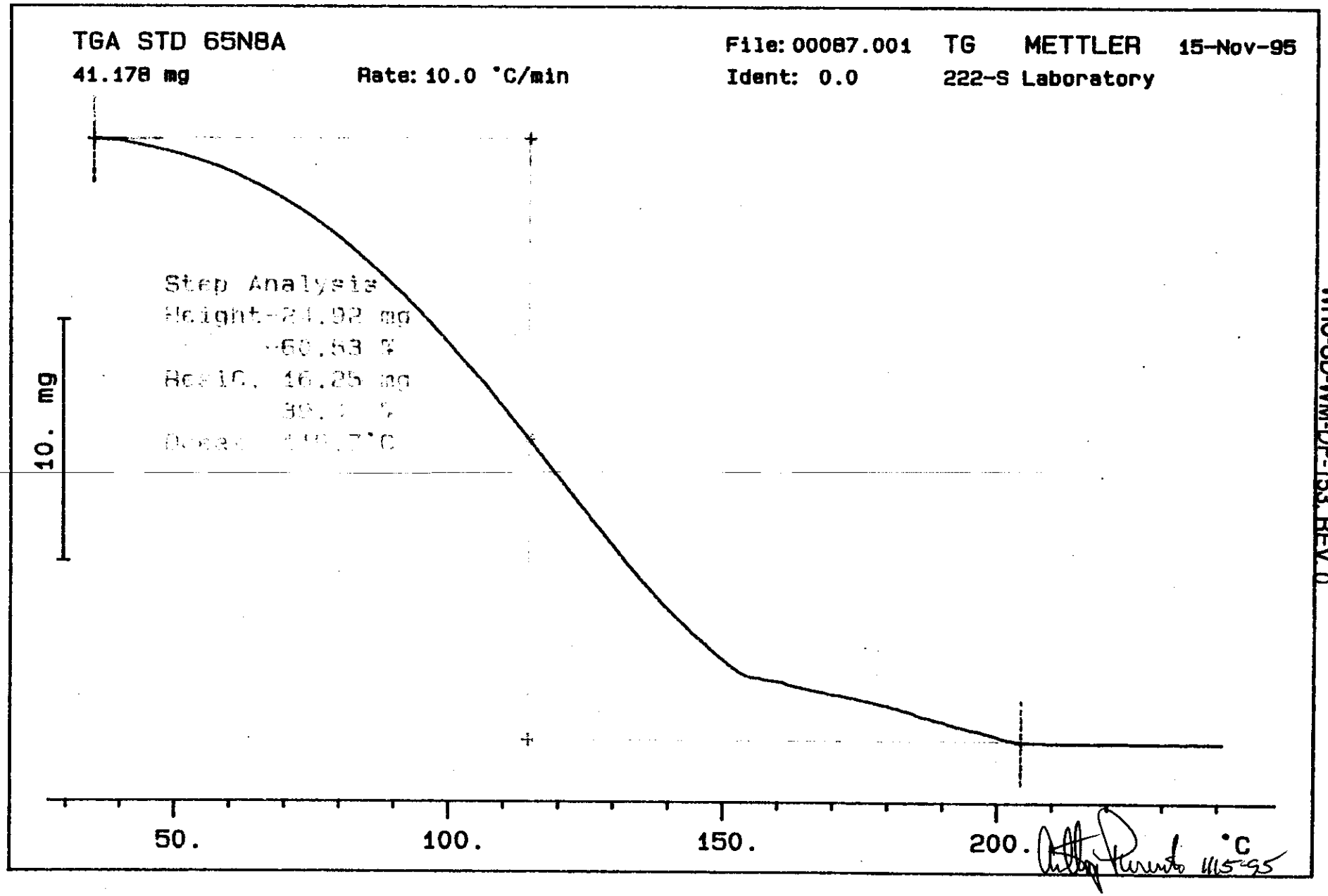
L. Jones 11-17-95
Analyst Signature **Date**

S95T003176
Data Entry Comments: The vibration seen on the duplicate are due to vibrations in the lab, the instrument is in good working condition.

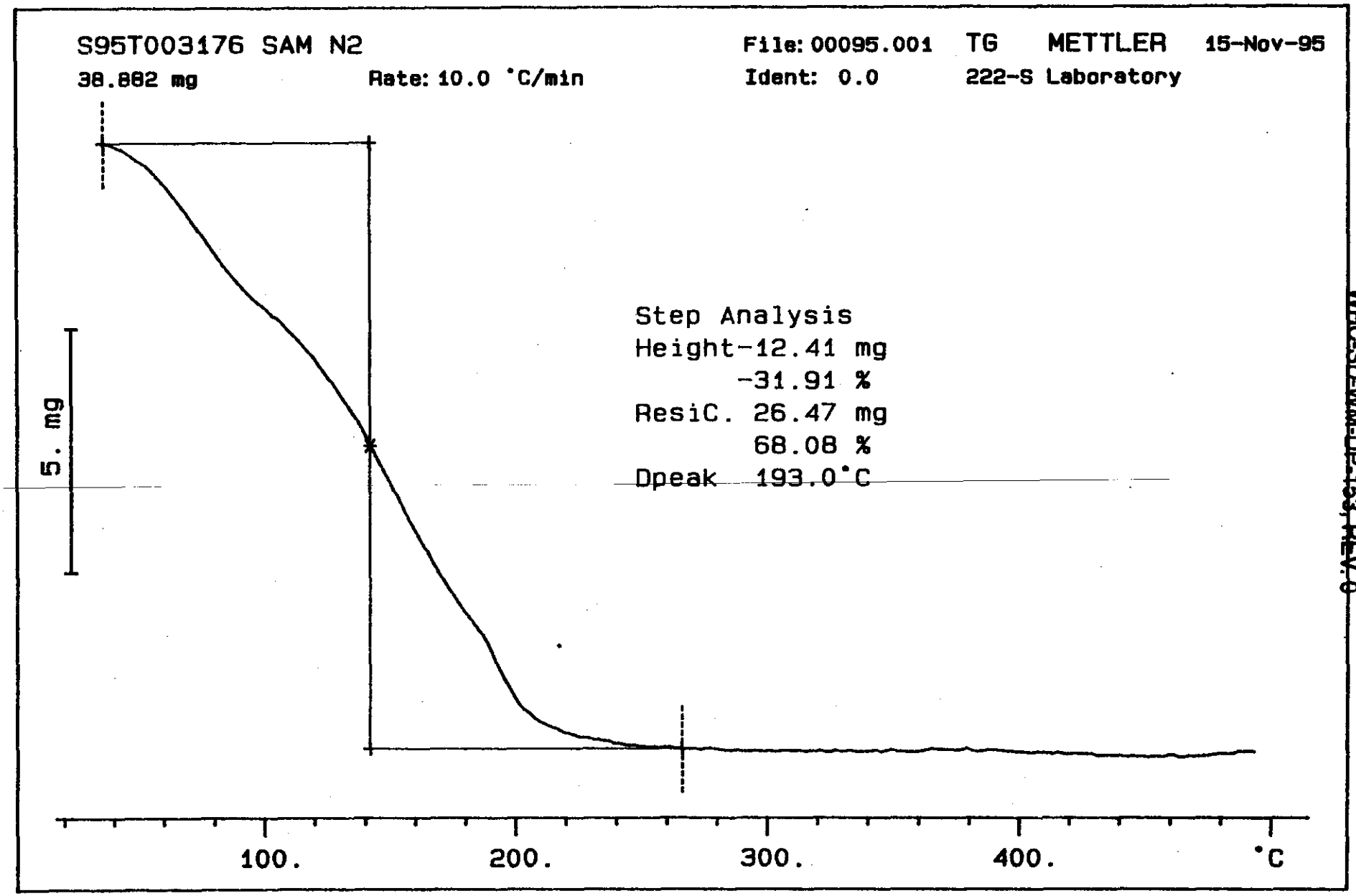
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

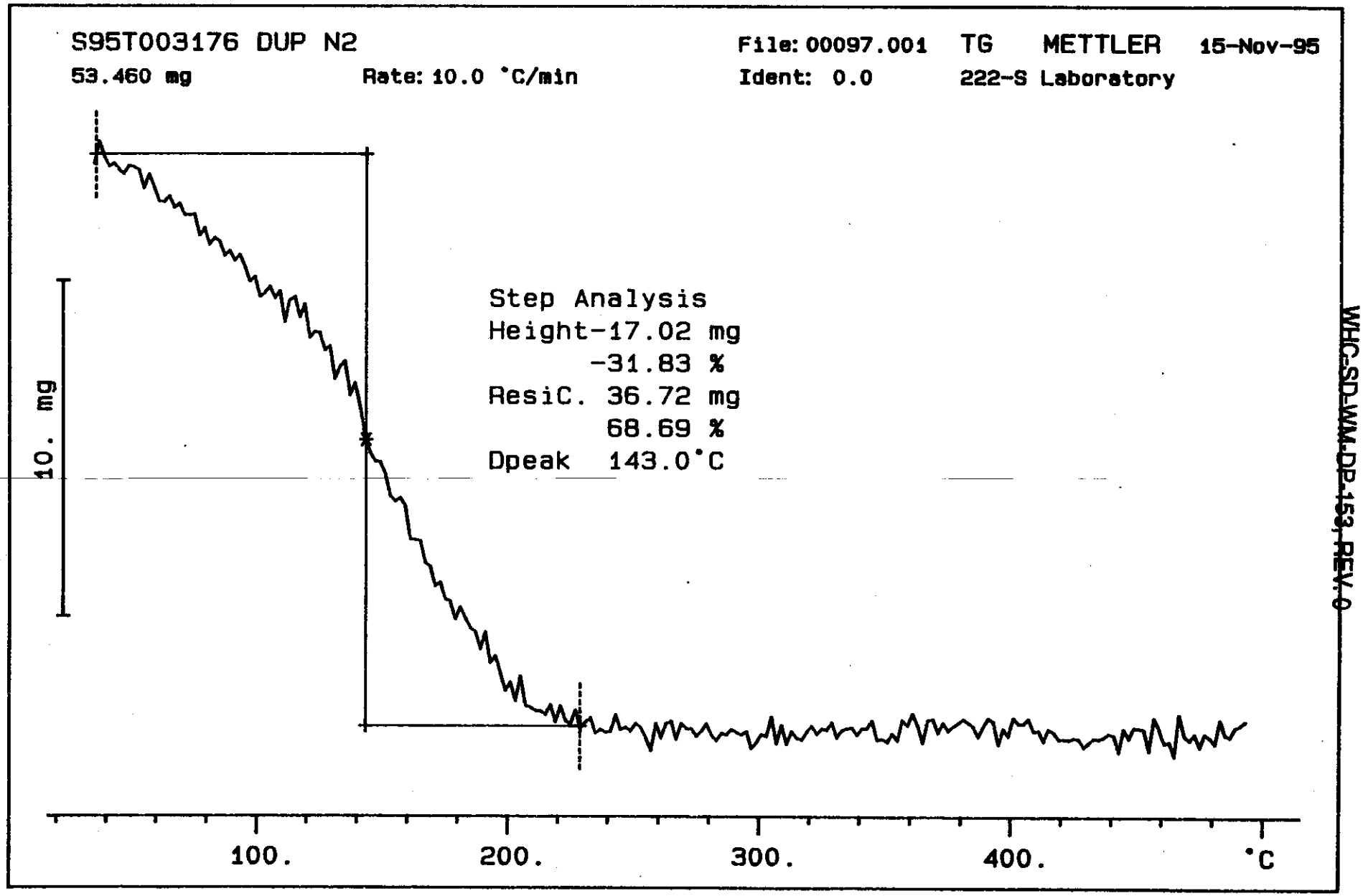
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 813 TO 817.

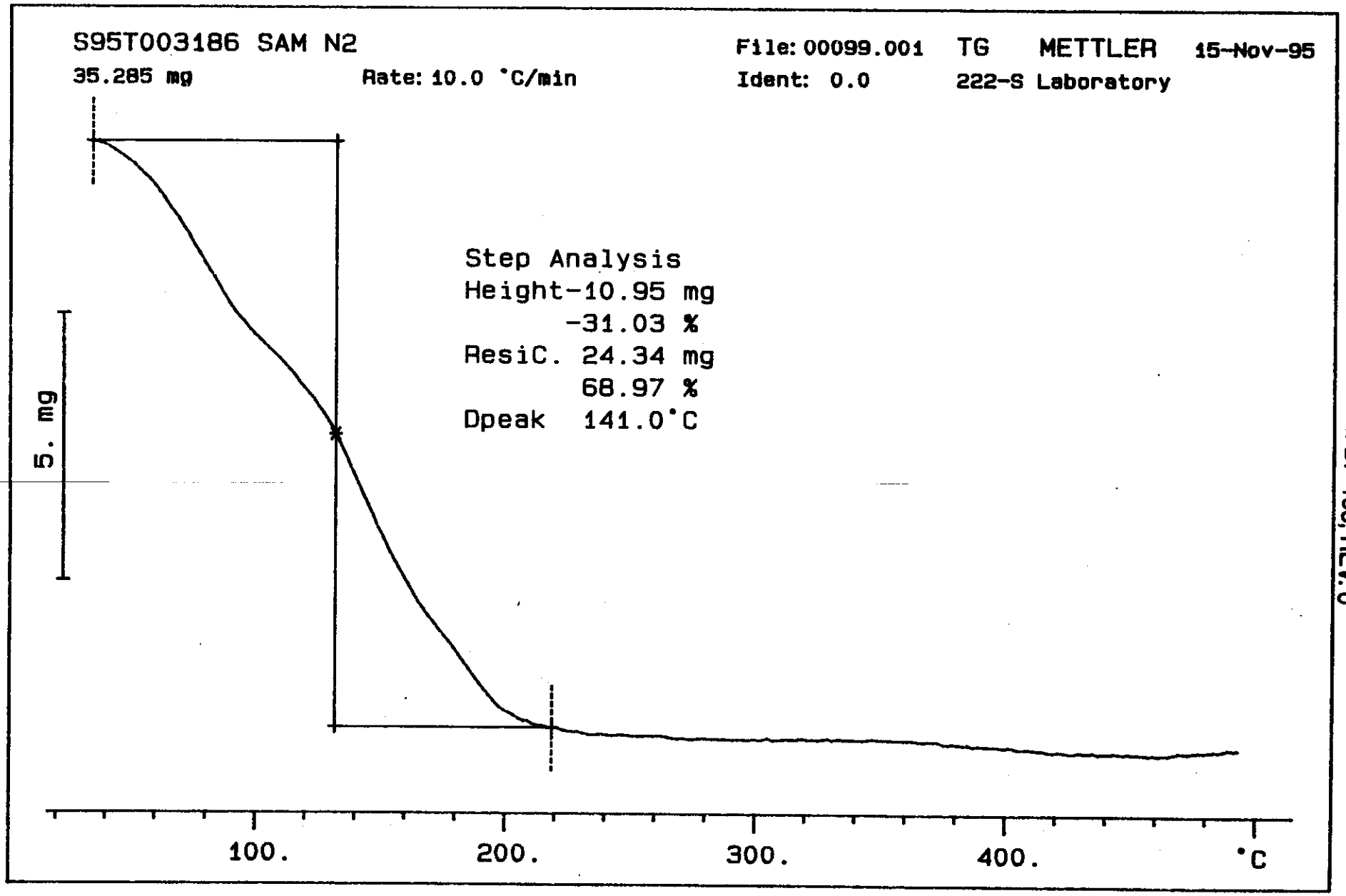
BEST AVAILABLE COPY

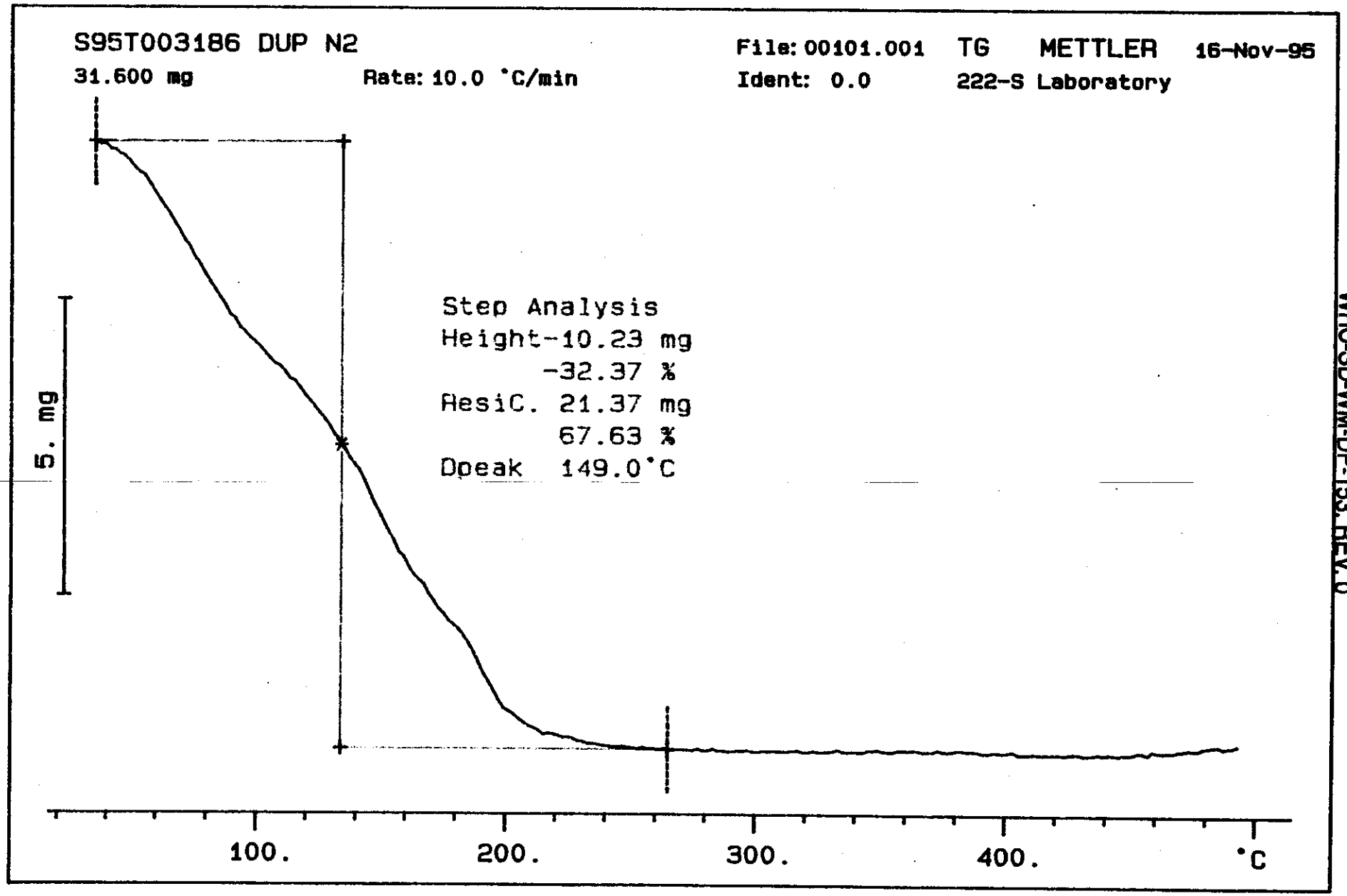


11/15/95


S95T003176 SAM N2
38.882 mg
Rate: 10.0 °C/min
File: 00095.001
Ident: 0.0
TG
METTLER
222-S Laboratory
15-Nov-95
Step Analysis
Height -12.41 mg
-31.91 %
ResiC. 26.47 mg
68.08 %
Dpeak 193.0°C
5. mg
100.
200.
300.
400.
°C


S95T003176 DUP N2
53.460 mg
Rate: 10.0 °C/min
File: 00097.001
Ident: 0.0
TG
METTLER
222-S Laboratory
15-Nov-95
Step Analysis
Height -17.02 mg
-31.83 %
ResiC. 36.72 mg
68.69 %
Dpeak 143.0°C
10. mg
100.
200.
300.
400.
°C


S95T003186 SAM N2
35.285 mg
Rate: 10.0 °C/min
File: 00099.001
Ident: 0.0
TG
METTLER
222-S Laboratory
15-Nov-95
Step Analysis
Height-10.95 mg
-31.03 %
ResiC. 24.34 mg
68.97 %
Dpeak 141.0°C
5. mg
100.
200.
300.
400.
°C


S95T003186 DUP N2
31.600 mg
Rate: 10.0 °C/min
File: 00101.001
Ident: 0.0
TG
METTLER
222-S Laboratory
16-Nov-95
Step Analysis
Height -10.23 mg
-32.37 %
ResiC. 21.37 mg
67.63 %
Dpeak 149.0°C
5. mg
100.
200.
300.
400.
°C

LABCORE Data Entry Template for Worklist# 3833

Analyst: SMF **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.54	N/A	%
95000171	BY-110	2	SAMPLE	S95T003166	0		TGA-01	SOLID	N/A	18.31		%
95000171	BY-110	3	DUP	S95T003166	0		TGA-01	SOLID	18.31	17.69	N/A	%
95000171	BY-110	4	SAMPLE	S95T003351	0		TGA-01	SOLID	N/A	24.89		%
95000171	BY-110	5	DUP	S95T003351	0		TGA-01	SOLID	24.89	26.18	N/A	%

Final page for worklist # 3833

Susie M. Dalton 11-30-95
Analyst Signature **Date**

See attached for signatures
Analyst Signature **Date** 12-4-95

S95T003351 produced two additional weight loss of 2.98% and 2.22%.

Data Entry Comments: S

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3833

Analyst: SMF **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110/B-204 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.54	N/A	%
95000171	BY-110	2 SAMPLE	S95T003166	0		TGA-01	SOLID	N/A	18.31		%
95000171	BY-110	3 DUP	S95T003166	0		TGA-01	SOLID	18.31	17.69	N/A	%
95000171	BY-110	4 SAMPLE	S95T003351	0		TGA-01	SOLID	N/A	24.89		%
95000171	BY-110	5 DUP	S95T003351	0		TGA-01	SOLID	24.89	26.18	N/A	%
95000161	B-204	6 SAMPLE	S95T003274	0		TGA-01	SOLID	N/A	75.76		%
95000161	B-204	7 DUP	S95T003274	0		TGA-01	SOLID	75.76	77.96	N/A	%
95000161	B-204	8 SAMPLE	S95T003275	0		TGA-01	SOLID	N/A	79.30		%
95000161	B-204	9 DUP	S95T003275	0		TGA-01	SOLID	79.30	79.11	N/A	%
95000161	B-204	10 SAMPLE	S95T003276	0		TGA-01	SOLID	N/A	79.60		%
95000161	B-204	11 DUP	S95T003276	0		TGA-01	SOLID	~~76.~~ 79.60 12/1/95 BDV	79.46	N/A	%
95000161	B-204	12 SAMPLE	S95T003277	0		TGA-01	SOLID	N/A	77.87		%
95000161	B-204	13 DUP	S95T003277	0		TGA-01	SOLID	77.87	78.56	N/A	%

Final page for worklist # 3833

See attached for signatures
Analyst Signature **Date** 12/1/95 BDV

Verified by Blandina Valenzuela 12/4/95

[illegible] 12-1-95
Analyst Signature **Date**

Data Entry Comments: S95T003351 produced two additional weight loss steps of 2.98% and 2.22%

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 820 TO 824.

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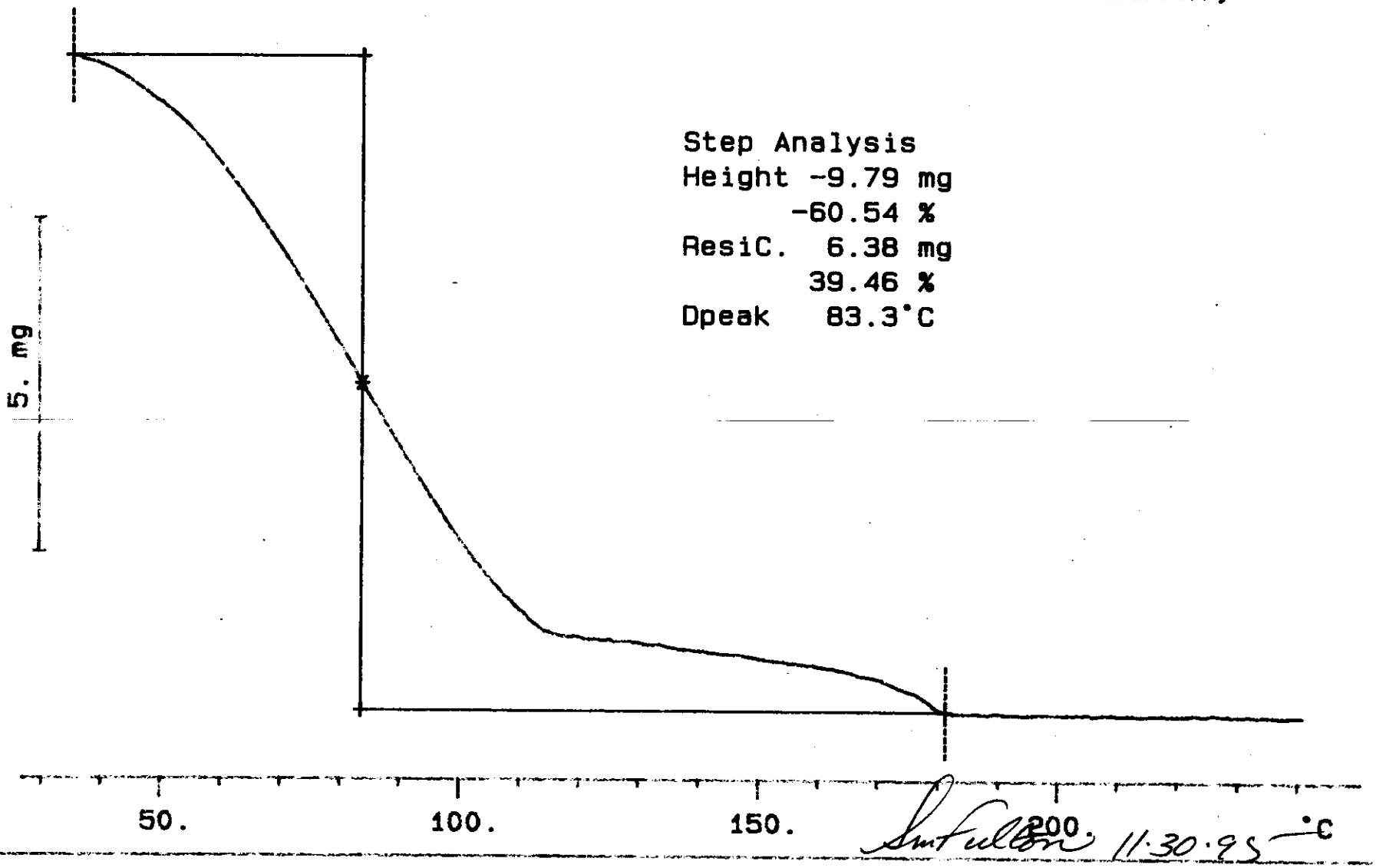
TGA STD 65NBA

16.169 mg

Rate: 10.0 °C/min

File: 00047.001 TG METTLER 30-Nov-95

Ident: 0.0 222-S Laboratory

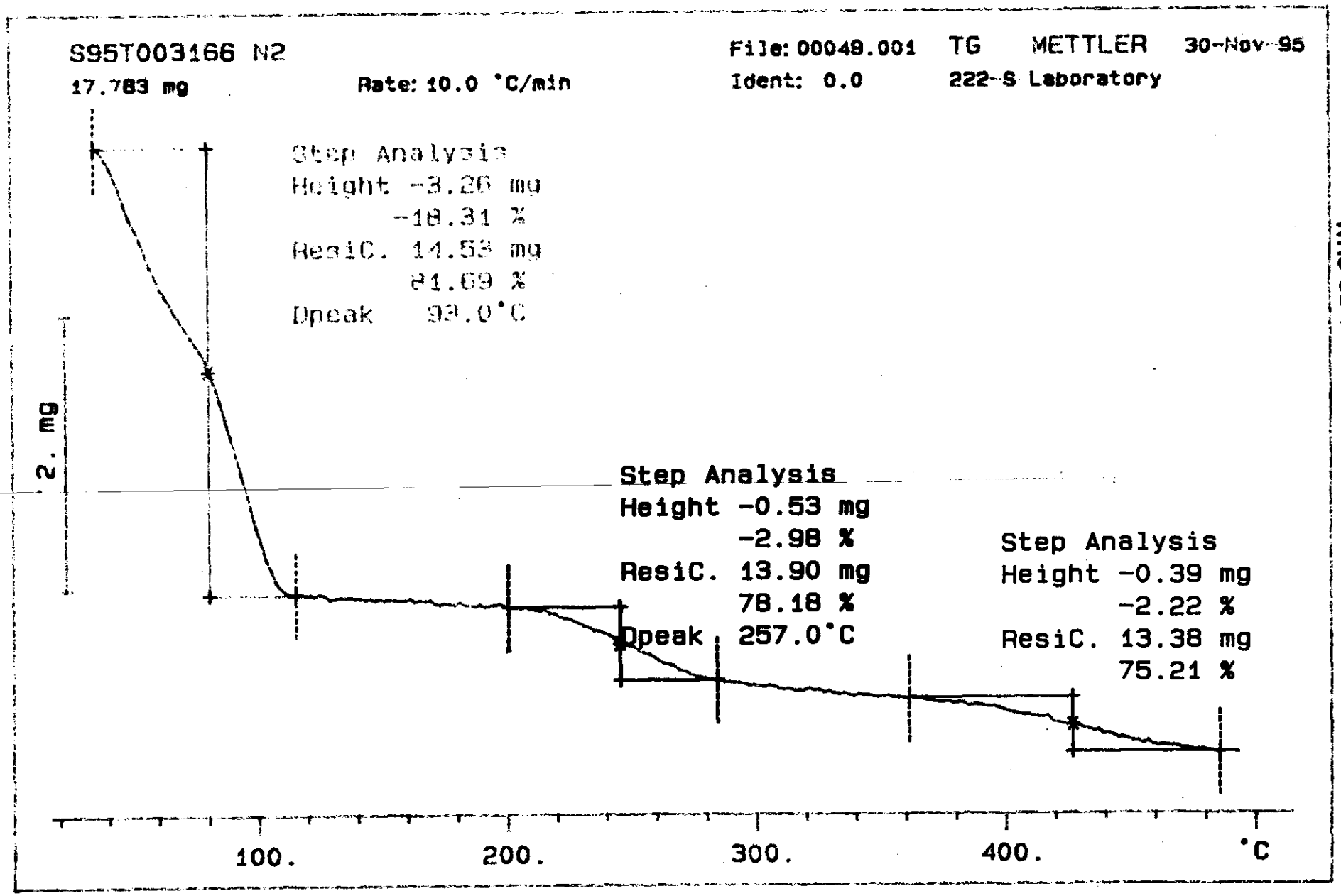


11.30.95

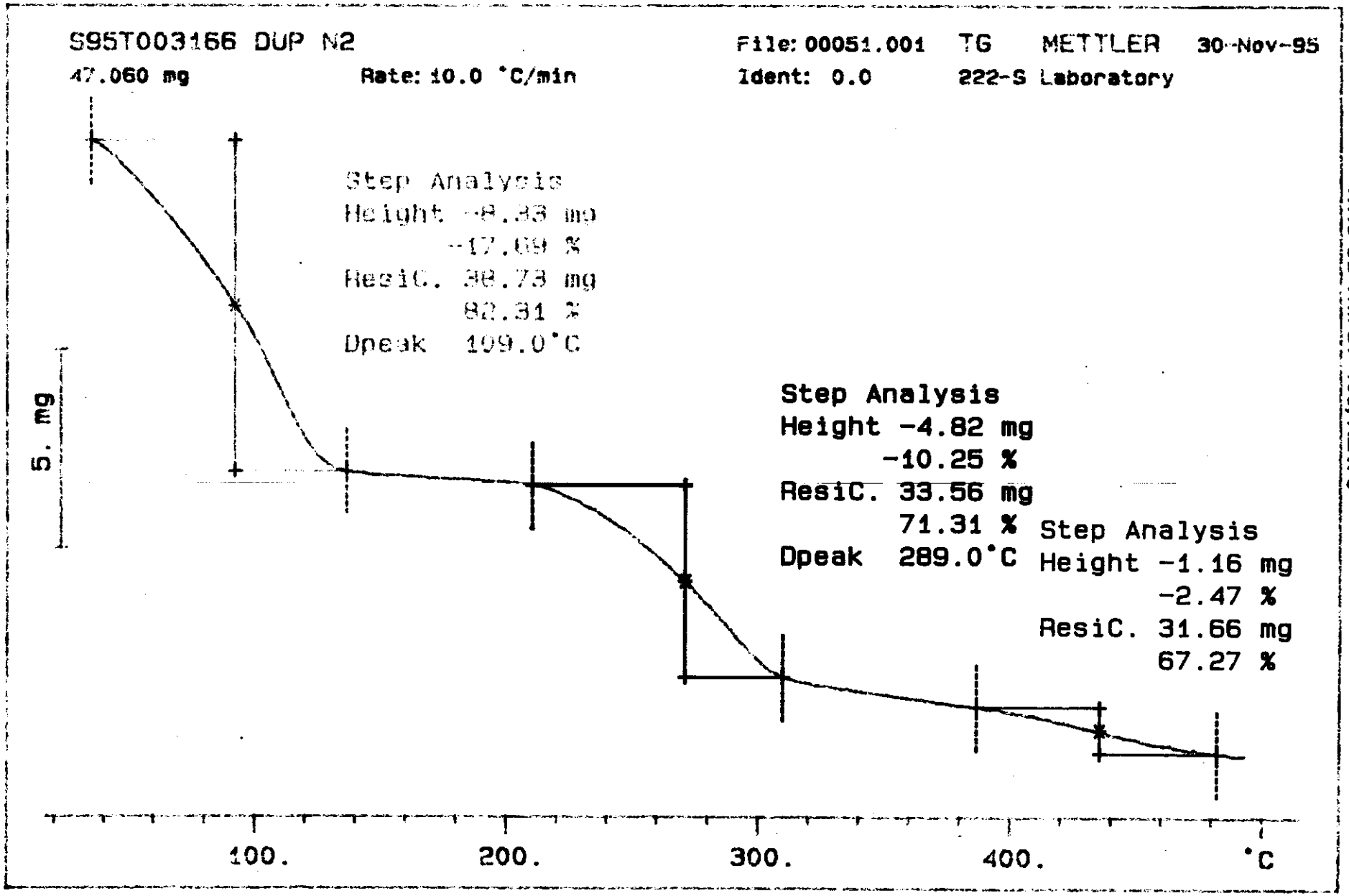
320

WHC-SD-WM-DP-153, REV. 0

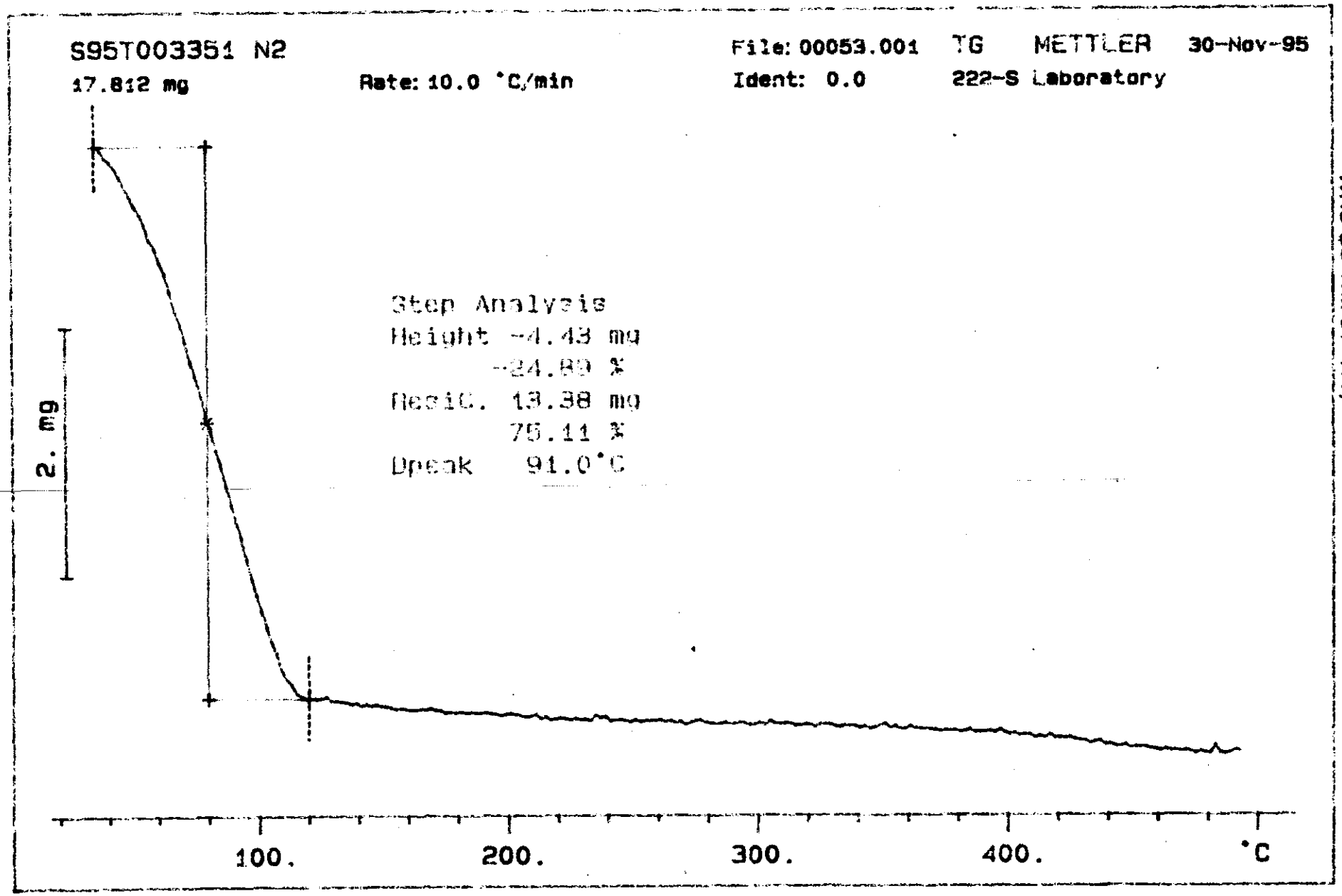
BEST AVAILABLE COPY



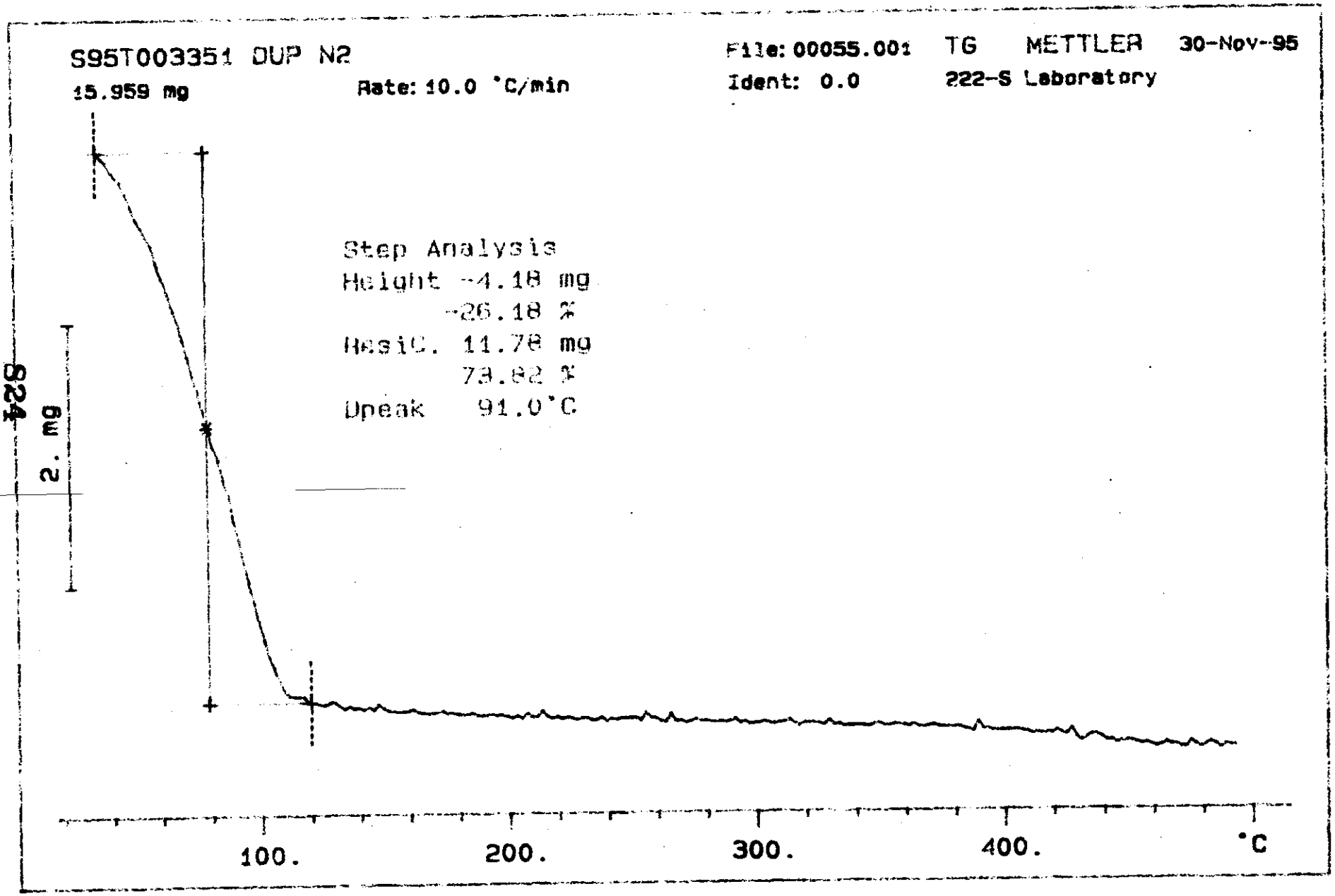
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 3835

Analyst: ADP **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-03	SOLID	59.74	60.21*	N/A	%
95000171	BY-110	2 SAMPLE	S95T003359	0		TGA-03	SOLID	N/A	16.21	.	%
95000171	BY-110	3 DUP	S95T003359	0		TGA-03	SOLID	16.21	16.11	N/A	%
		4 STD				TGA-03	SOLID	59.74	60.29	N/A	%
95000171	BY-110	5 SAMPLE	S95T003367	0		TGA-03	SOLID	N/A	.627		%
95000171	BY-110	6 DUP	S95T003367	0		TGA-03	SOLID	.627	1.72	N/A	%
95000171	BY-110	7 TRIPL	S95T003367	0		TGA-03	SOLID	.627	.717	N/A	%

Final page for worklist # 3835

See attached for signatures
Analyst Signature **Date** 12/11/95

Verified by Blandina Valenzuela 12/20/95

Sharon L Walker 12-11-95
Analyst Signature **Date**

Data Entry Comments: S95T003367 produced a second weight lossstep of 2.75%. Due the the different shapes of the thermograms ~~the Sam~~ 12/11/95 a triplicate run was analyzed

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3835

Analyst: ADP **Instrument:** TGA0 **Book #** 65N84

Method: LA-560-112 Rev/Mod C-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000171	BY-110	2	SAMPLE	S95T003359	0		TGA-01	SOLID	N/A			%
95000171	BY-110	3	DUP	S95T003359	0		TGA-01	SOLID			N/A	%
95000171	BY-110	4	SAMPLE	S95T003367	0		TGA-01	SOLID	N/A			%
95000171	BY-110	5	DUP	S95T003367	0		TGA-01	SOLID			N/A	%

Final page for worklist # 3835

12-7-95

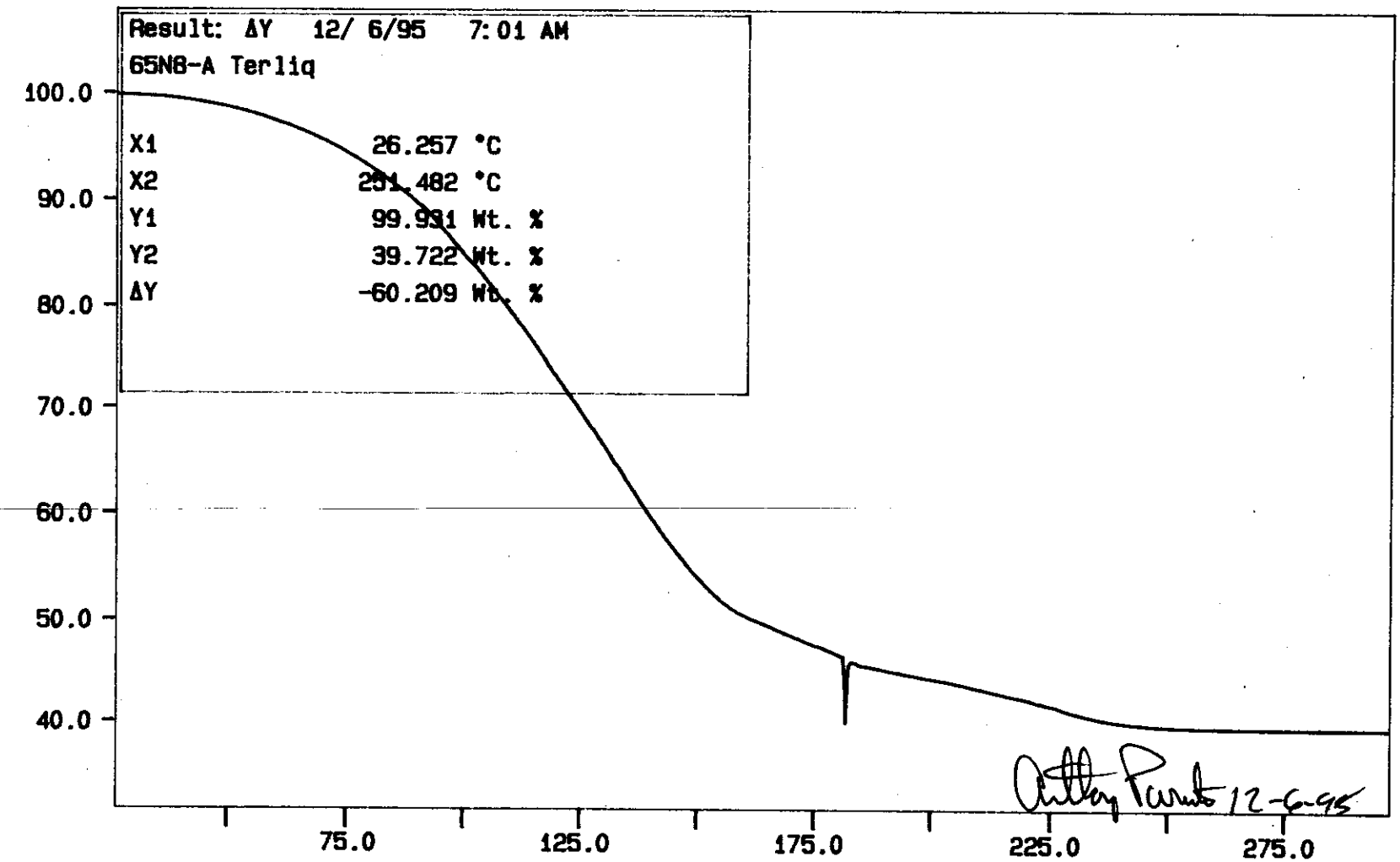
Analyst Signature **Date** **Analyst Signature** **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER120601 Wed Dec 6 07:01:46 1995
Sample Weight: 17.471 mg
65N8-A Terliq

1 65N8-A Terliq: TER120601
% Weight (Wt. %)



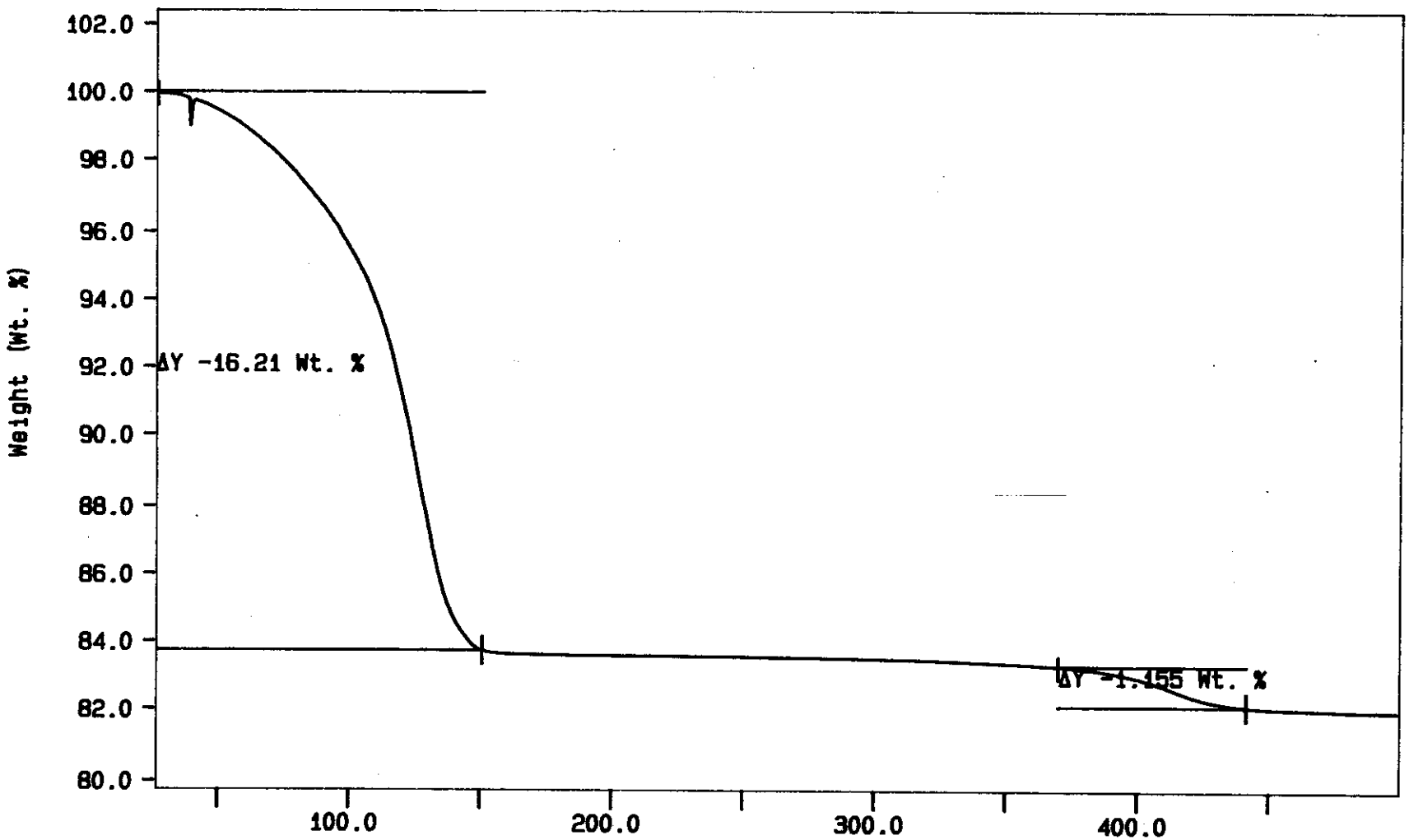
Anthony Purinto 12-6-95

N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Dec 6 13:14:56 1995

SIGNATURE ABOVE REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 827 TO 833.

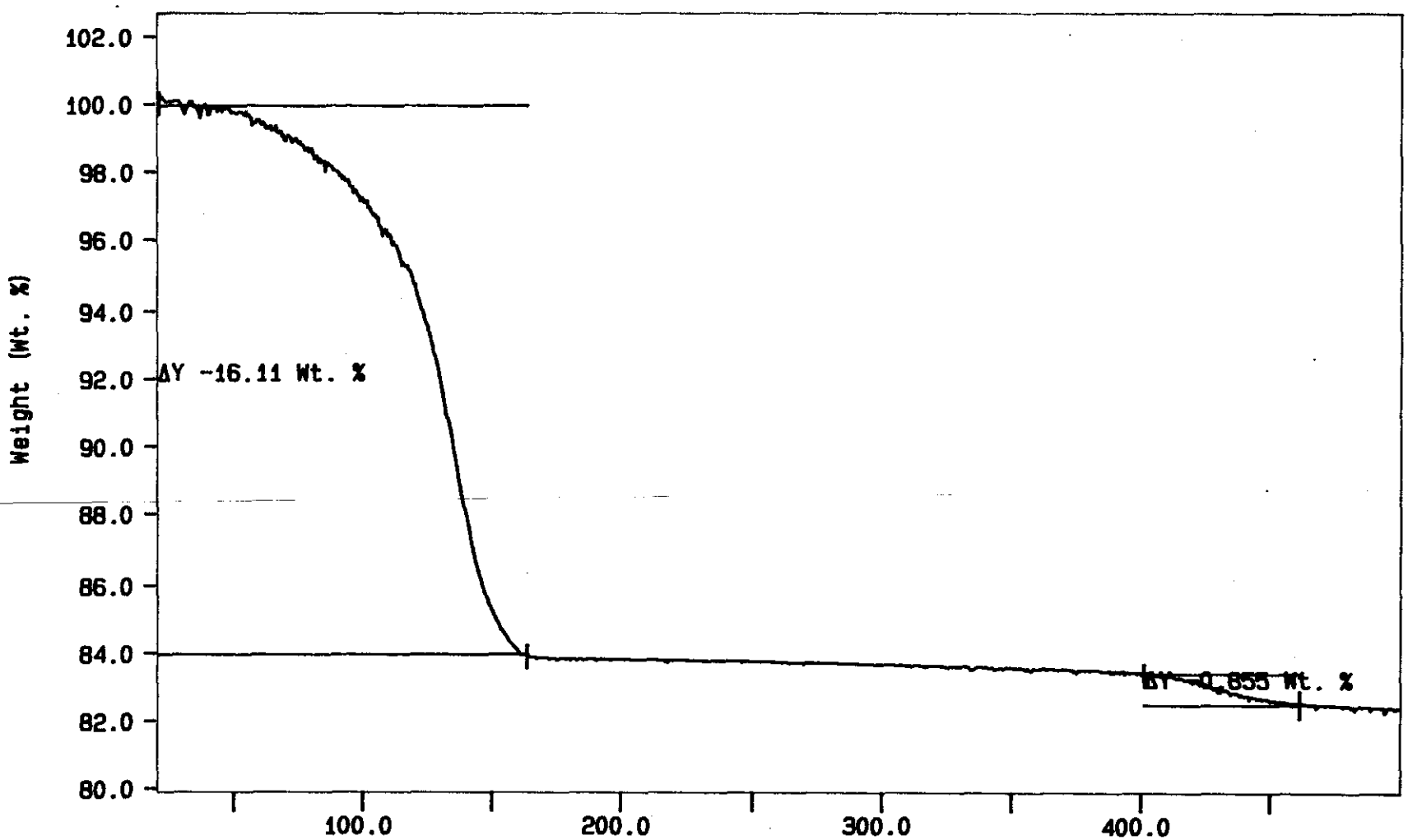
Curve 1: TGA
File info: SAM120605 Wed Dec 6 14:15:33 1995
Sample Weight: 17.273 mg
S95T003359 SAM



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Dec 6 14:21:40 1995

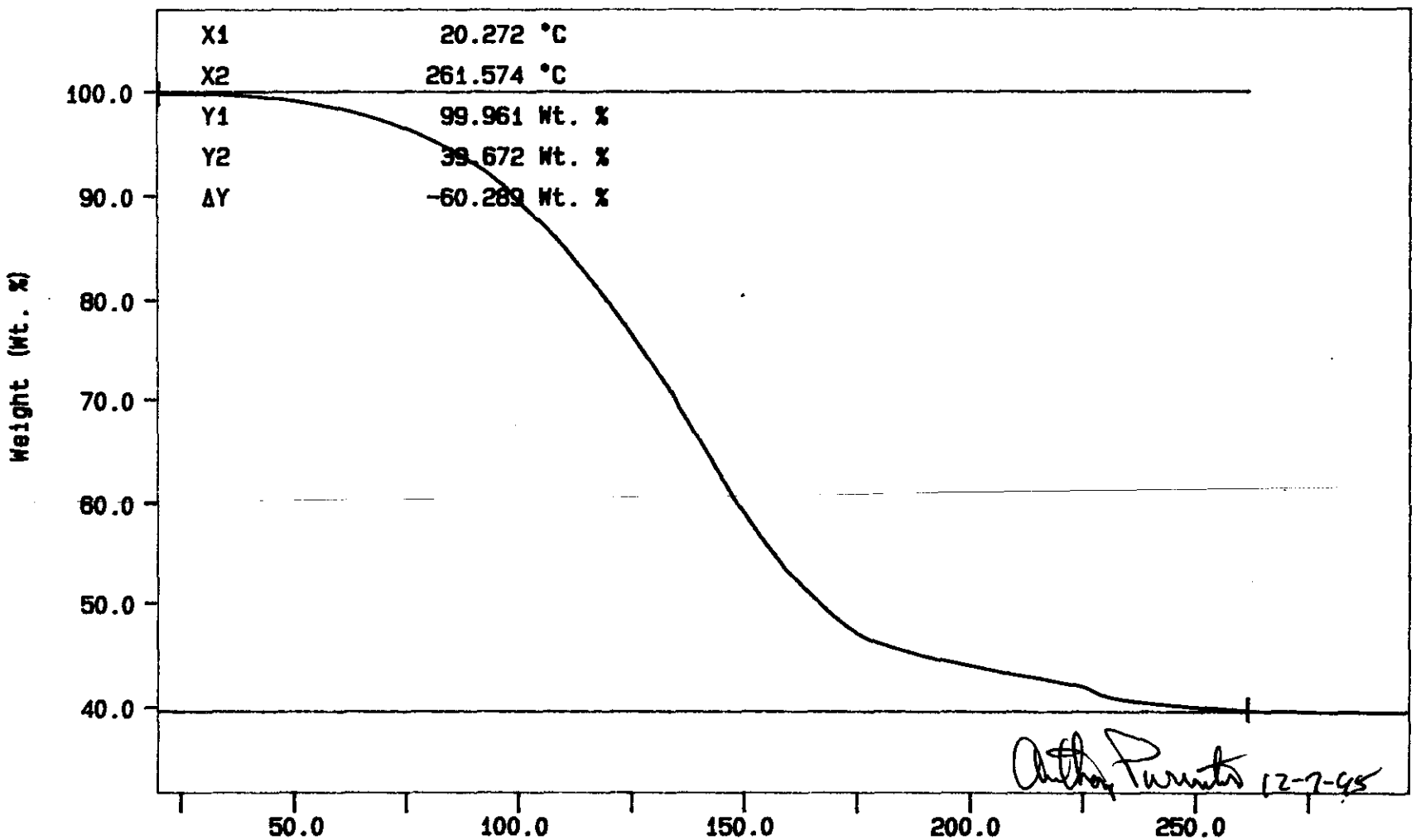
Curve 1: TGA
File info: SAM120606 Wed Dec 6 15:56:43 1995
Sample Weight: 23.516 mg
S95T003359 DUP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Wed Dec 6 16:07:43 1995

Curve 1: TGA
File info: ter120702 Thu Dec 7 07:46:25 1995
Sample Weight: 20.394 mg
65N8-A Terliq

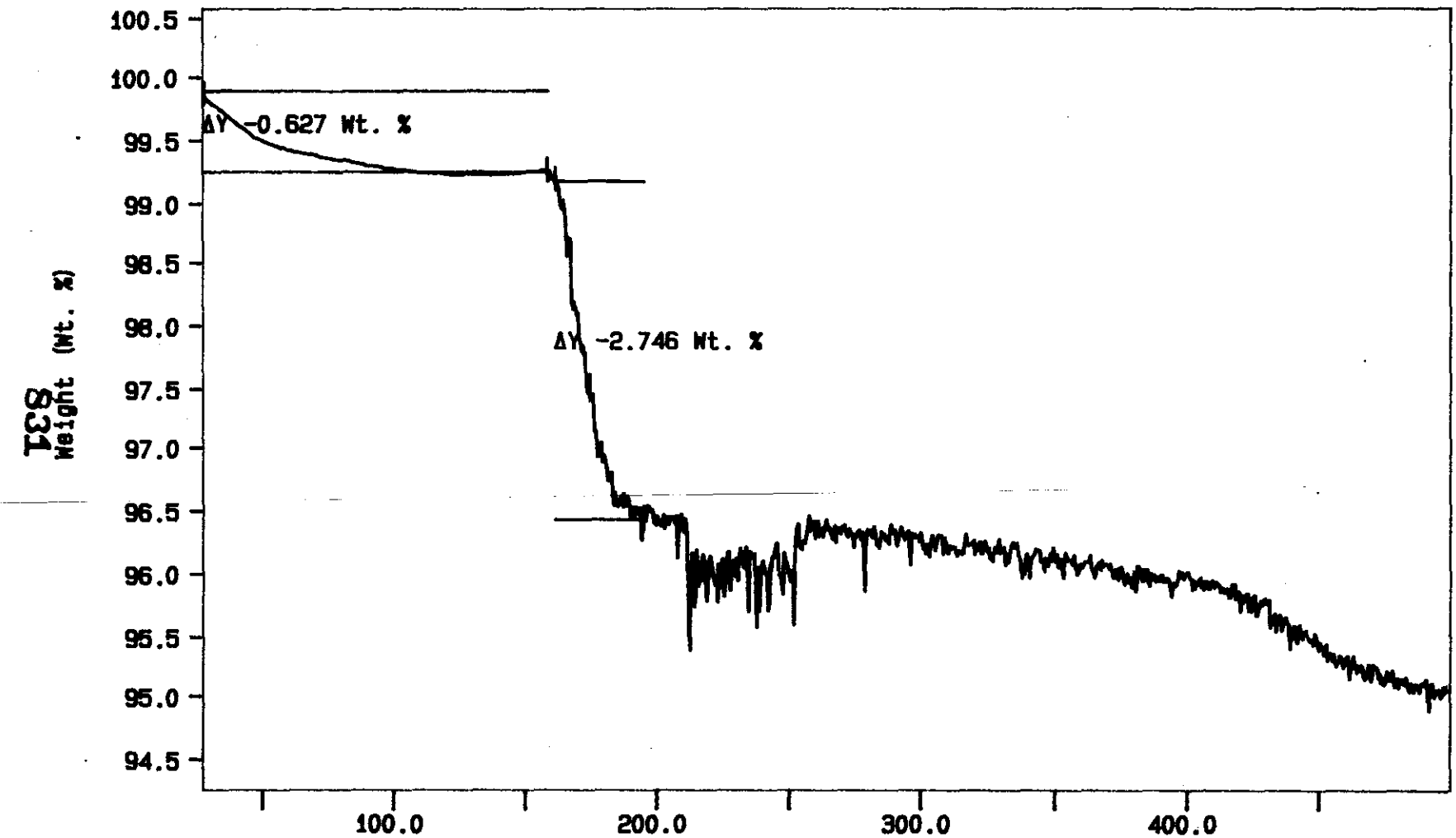


Arthur Purinton 12-7-95

N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 7 07:49:55 1995

Curve 1: TGA
File info: SAM120701 Thu Dec 7 08:58:56 1995
Sample Weight: 27.350 mg
S95T003367 SAM

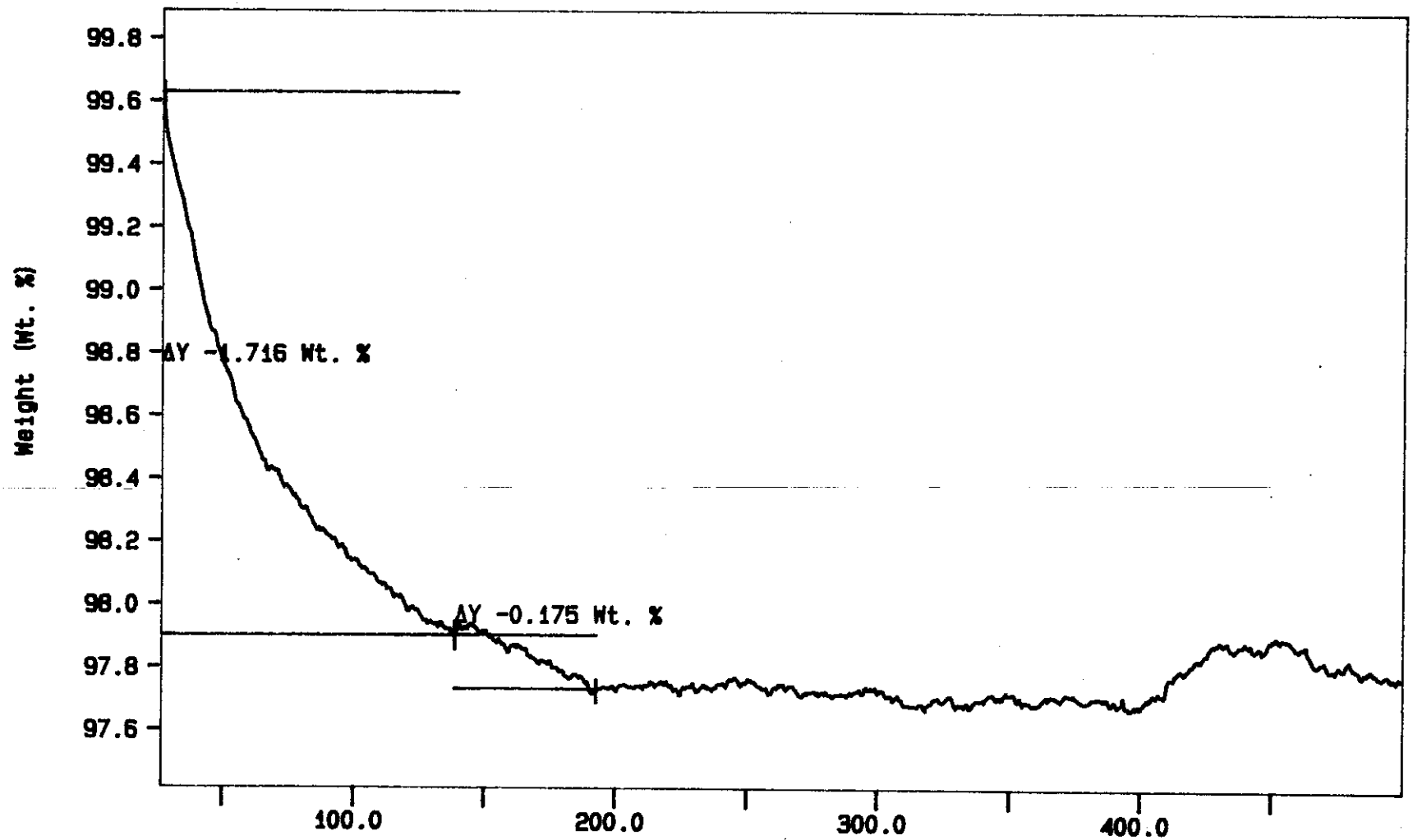


10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 7 09:04:23 1995

WHC-SD-WM-DP-153, REV.0

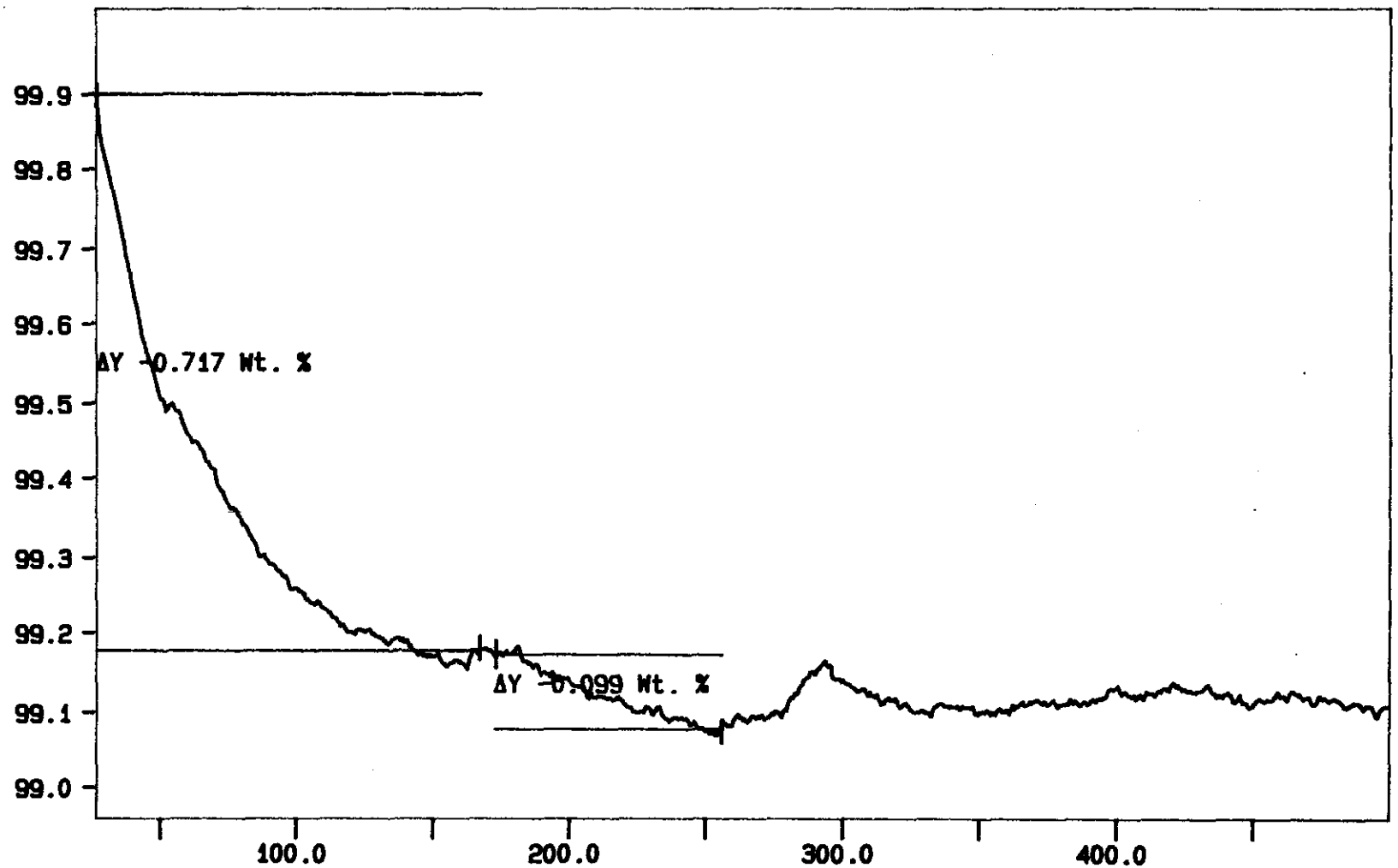
Curve 1: TGA
File info: SAM120702 Thu Dec 7 10:10:52 1995
Sample Weight: 8.845 mg
S95T003367 DUP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 500.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 7 10:23:36 1995

Curve 1: TGA
File info: SAM120703 Thu Dec 7 11:29:45 1995
Sample Weight: 21.783 mg
S95T003367 TRP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

AD PURINTON
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 7 11:30:51 1995

LABCORE Data Entry Template for Worklist# 3843

Analyst: Rly **Instrument:** TGA0 1 **Book #** ~~12 N14 B~~ 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	LIQUID	59.74	*60.47	N/A	%
95000171	BY-110	2	SAMPLE	S95T003588	0		TGA-01	LIQUID	N/A	99.91		%
95000171	BY-110	3	DUP	S95T003588	0		TGA-01	LIQUID	99.91	99.99	N/A	%

Final page for worklist # 3843

Rae Ann Green 12-6-95
Analyst Signature Date

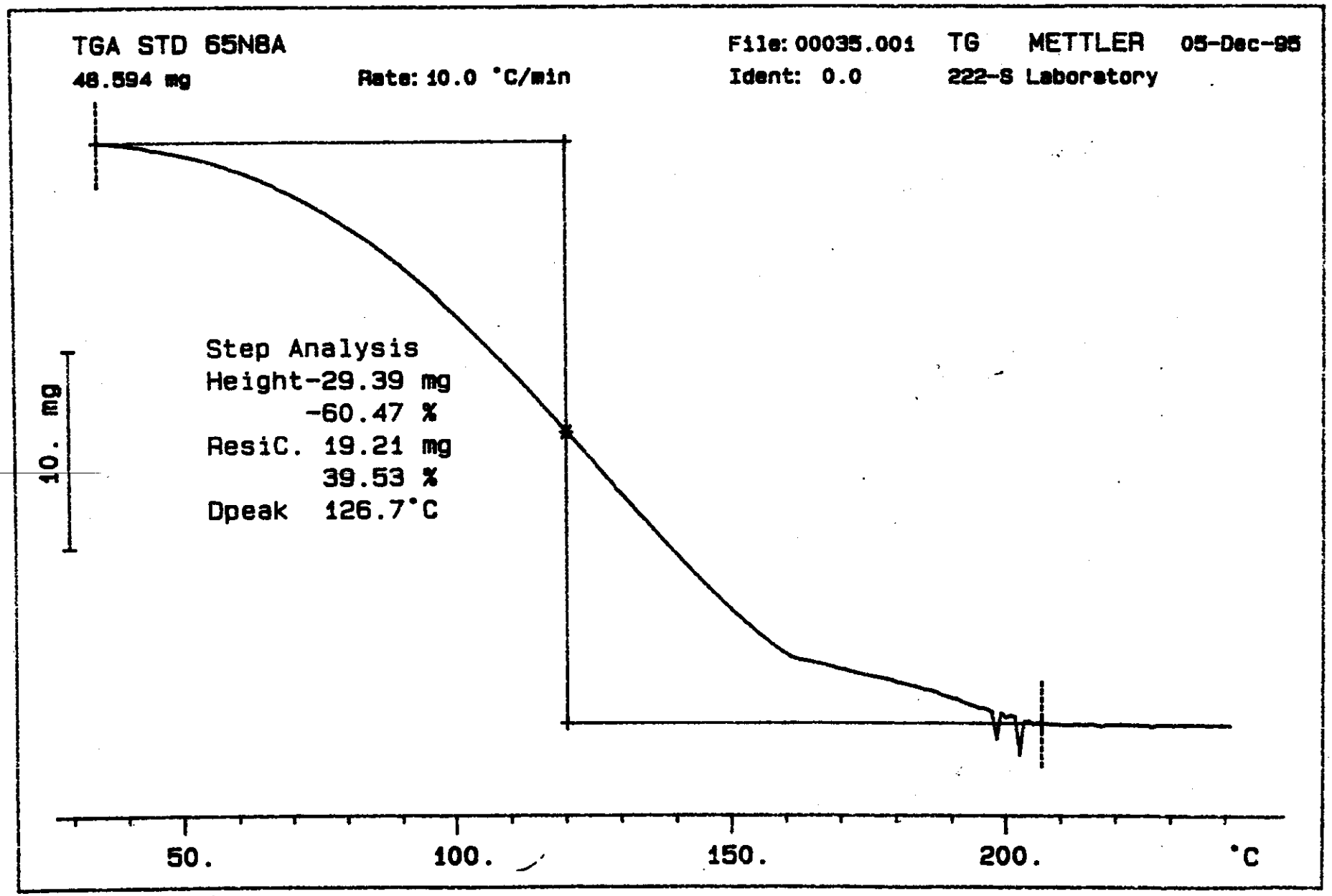
[illegible] 12/6/95
Analyst Signature Date

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 835 TO 837.

BEST AVAILABLE COPY



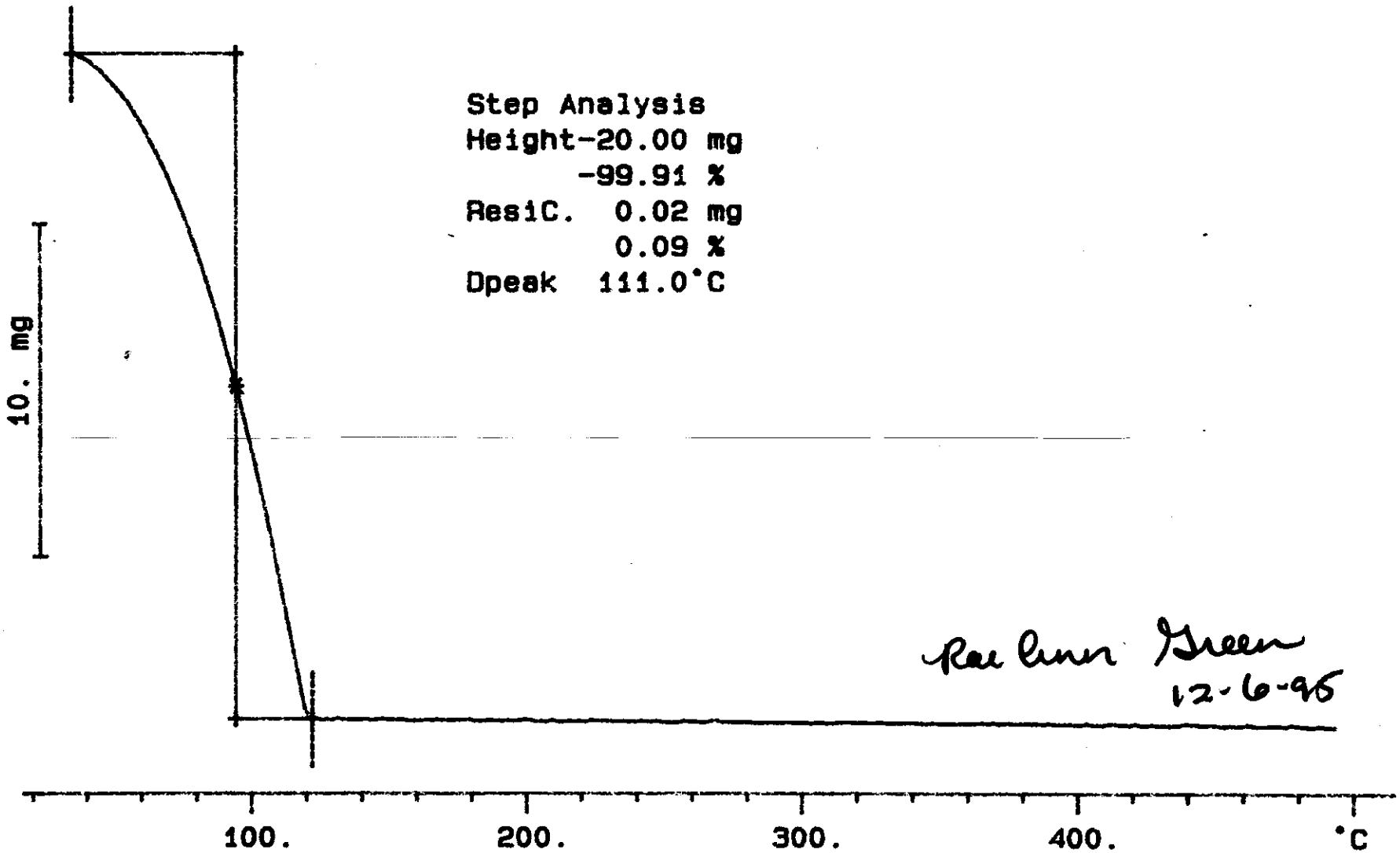
S95T003588 SAM N2

20.018 mg

Rate: 10.0 °C/min

File: 00057.001 TG METTLER 06-Dec-95

Ident: 0.0 222-S Laboratory



Rae Ann Green
12-6-95

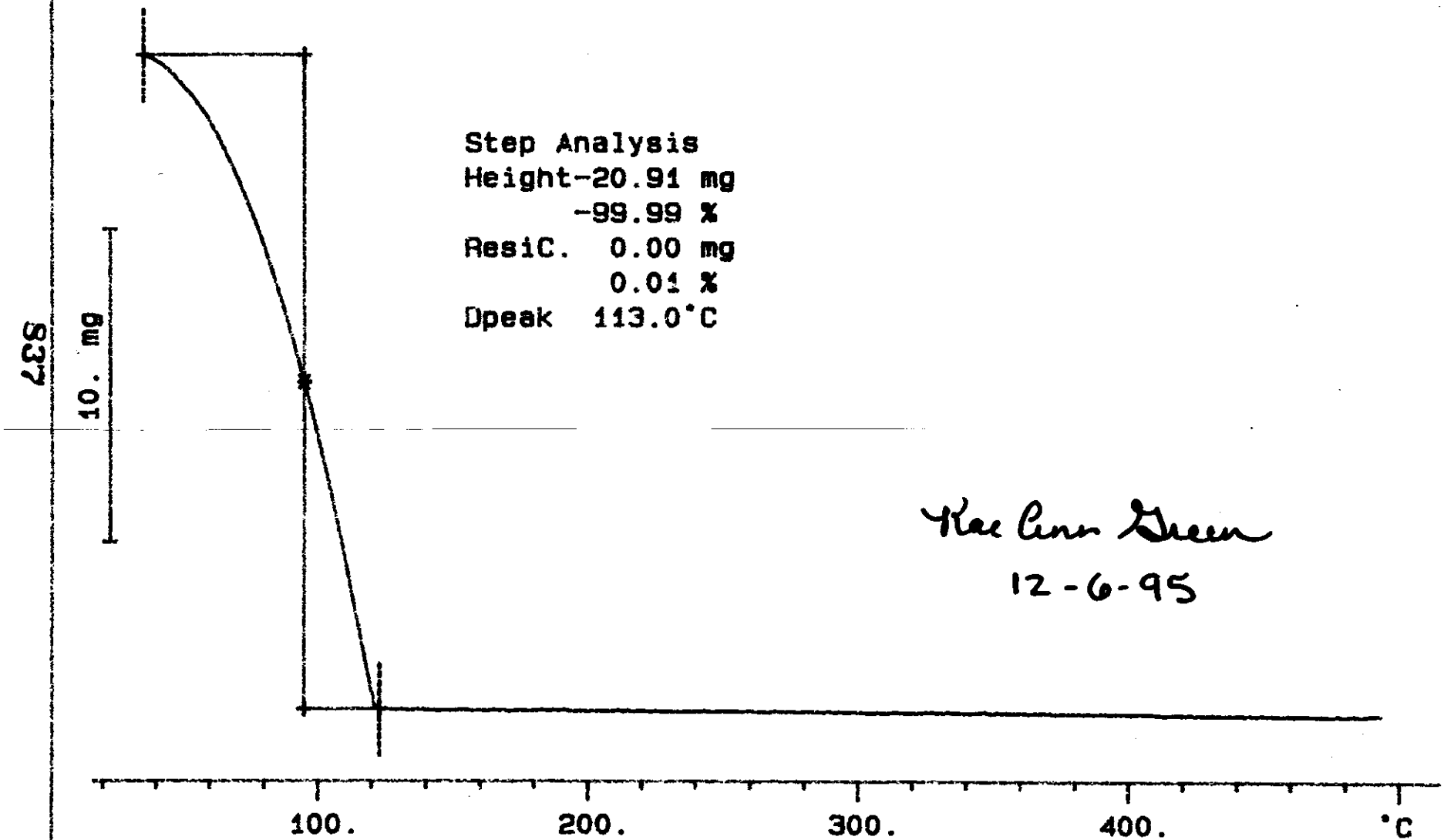
S95T003588 DUP N2

20.912 mg

Rate: 10.0 °C/min

File: 00059.001 TG METTLER 06-Dec-95

Ident: 0.0 222-S Laboratory



Kae Ann Green
12-6-95

LABCORE Data Entry Template for Worklist# 3853

Analyst: RAG **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.64	N/A	%
95000171	BY-110	2	SAMPLE	S95T003430	0		TGA-01	SOLID	N/A	32.39		%
95000171	BY-110	3	DUP	S95T003430	0		TGA-01	SOLID	32.39	29.85	N/A	%
		4	STD				TGA-01	SOLID	59.74	60.47	N/A	%
95000171	BY-110	5	SAMPLE	S95T003542	0		TGA-01	SOLID	N/A	29.37		%
95000171	BY-110	6	DUP	S95T003542	0		TGA-01	SOLID	29.37	34.31	N/A	%
95000171	BY-110	7	SAMPLE	S95T003550	0		TGA-01	SOLID	N/A	36.48		%
95000171	BY-110	8	DUP	S95T003550	0		TGA-01	SOLID	36.48	32.68	N/A	%

Final page for worklist # 3853

See attached for signatures
Analyst Signature **Date** 12/6/95

[signature] 12/6/95
Analyst Signature **Date**

Data Entry Comments: S95T003430 produced a second weight loss step of 8.47%
S95T003542 produced a second weight loss step of 6.90%
S95T003550 produced a second weight loss step of 10.28%

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 3853

Analyst: RJ **Instrument:** TGA0 **Book #** 65N8-A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000171	BY-110	2	SAMPLE	S95T003430	0		TGA-01	SOLID	N/A			%
95000171	BY-110	3	DUP	S95T003430	0		TGA-01	SOLID			N/A	%
95000171	BY-110	4	SAMPLE	S95T003542	0		TGA-01	SOLID	N/A			%
95000171	BY-110	5	DUP	S95T003542	0		TGA-01	SOLID			N/A	%
95000171	BY-110	6	SAMPLE	S95T003550	0		TGA-01	SOLID	N/A			%
95000171	BY-110	7	DUP	S95T003550	0		TGA-01	SOLID			N/A	%

Final page for worklist # 3853

Rae Ann Green 12-3-95
Analyst Signature **Date**

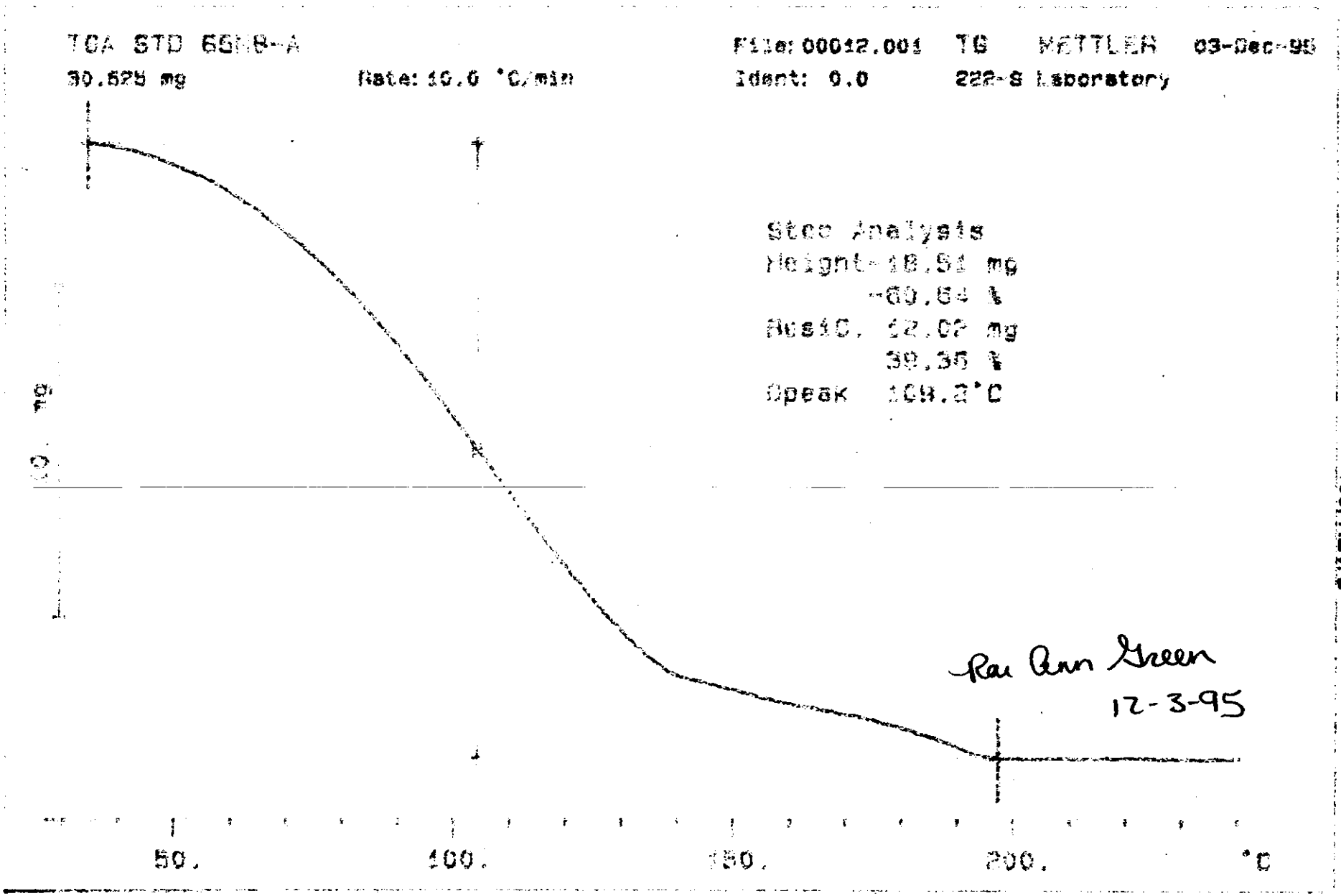
Analyst Signature **Date**

Data Entry Comments:

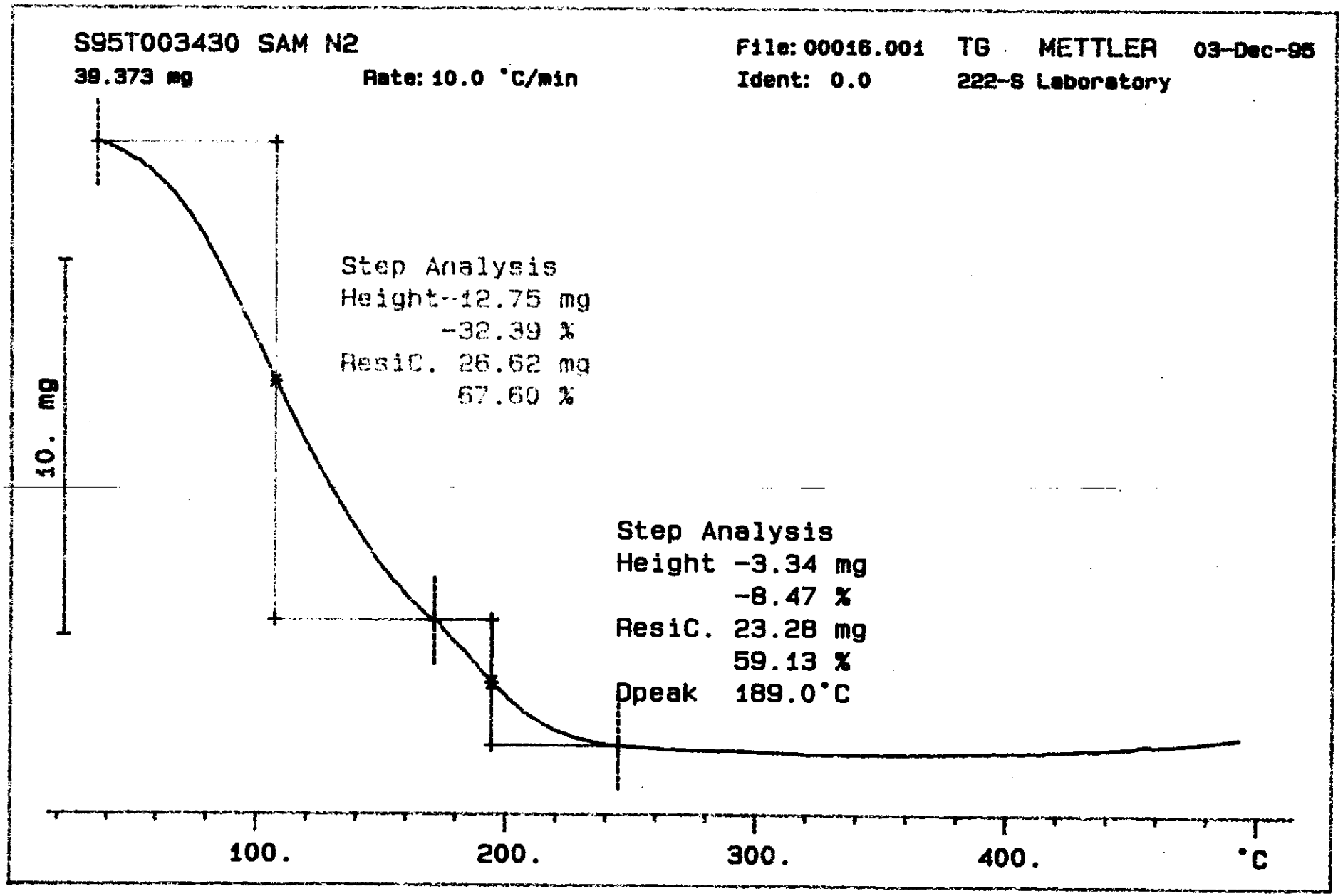
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

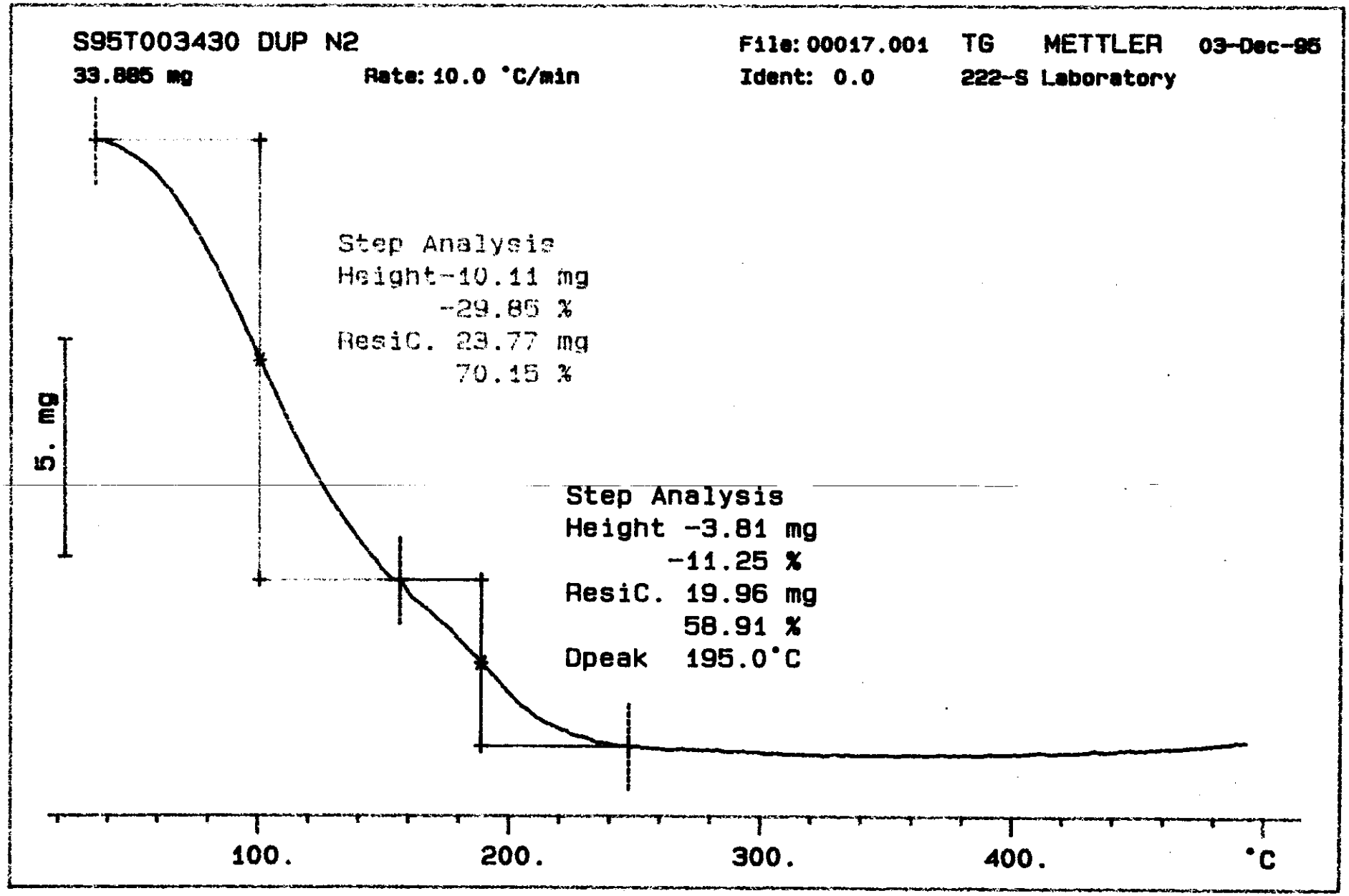
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 840 TO 847.

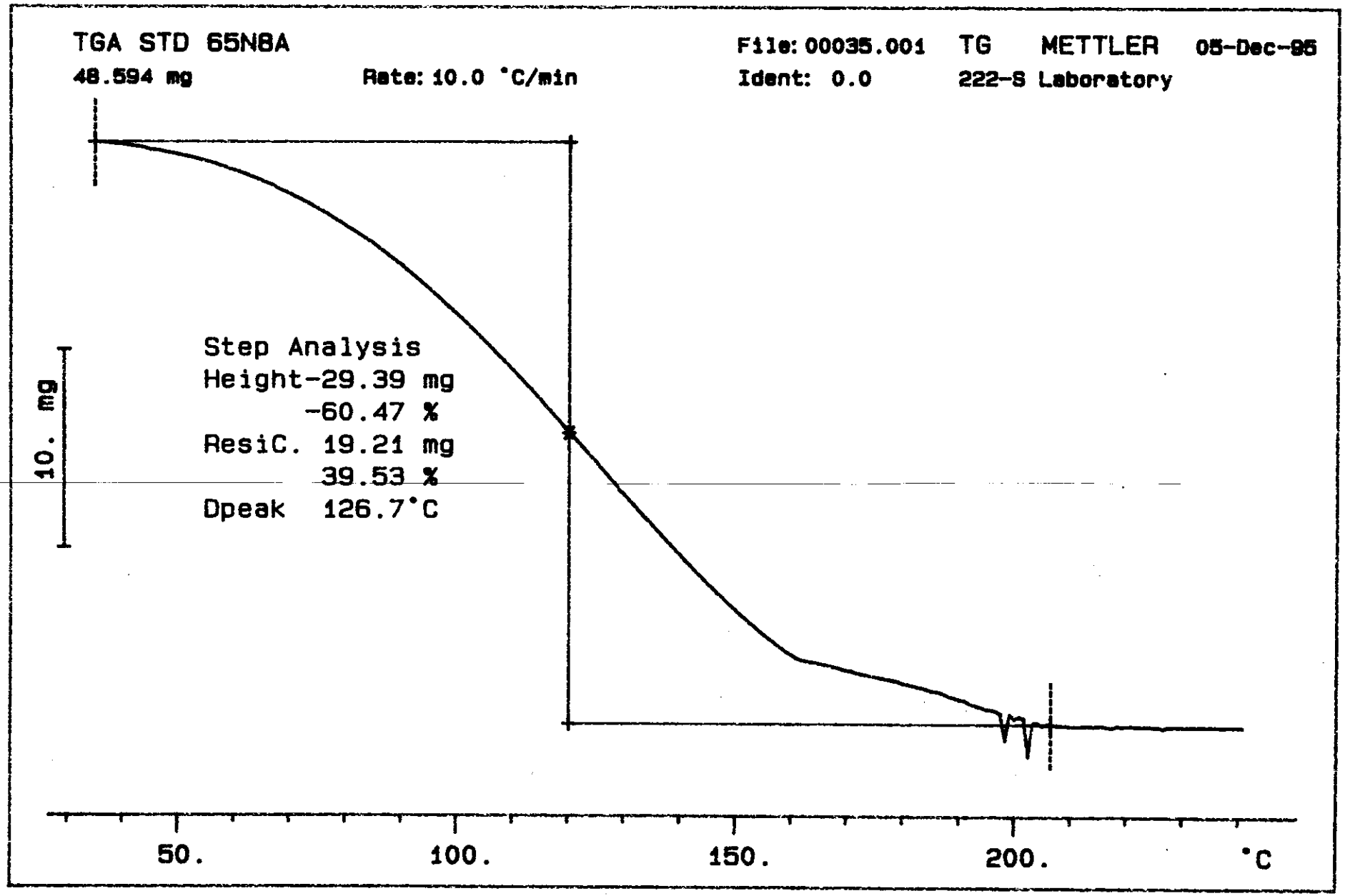
BEST AVAILABLE COPY

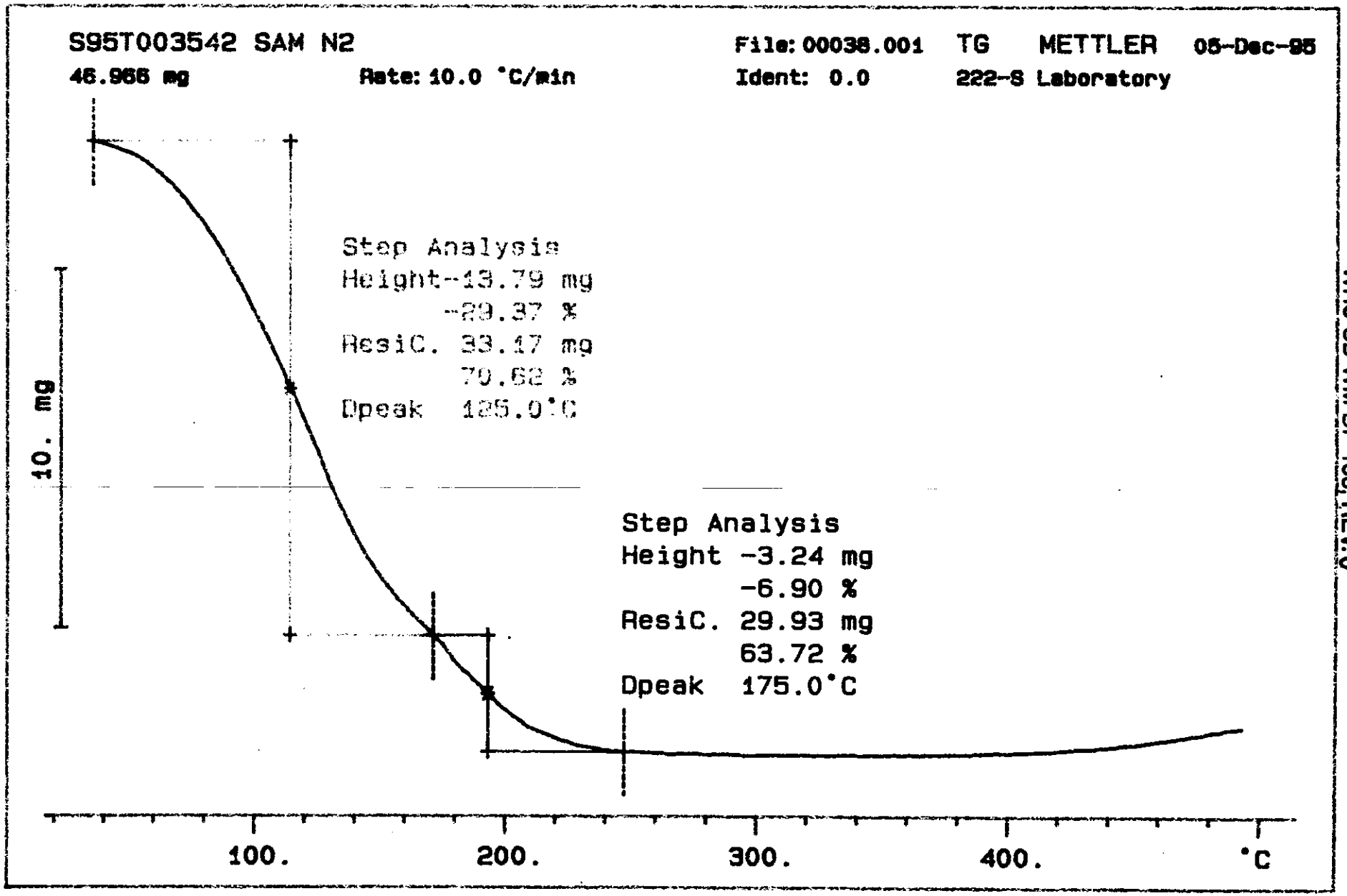


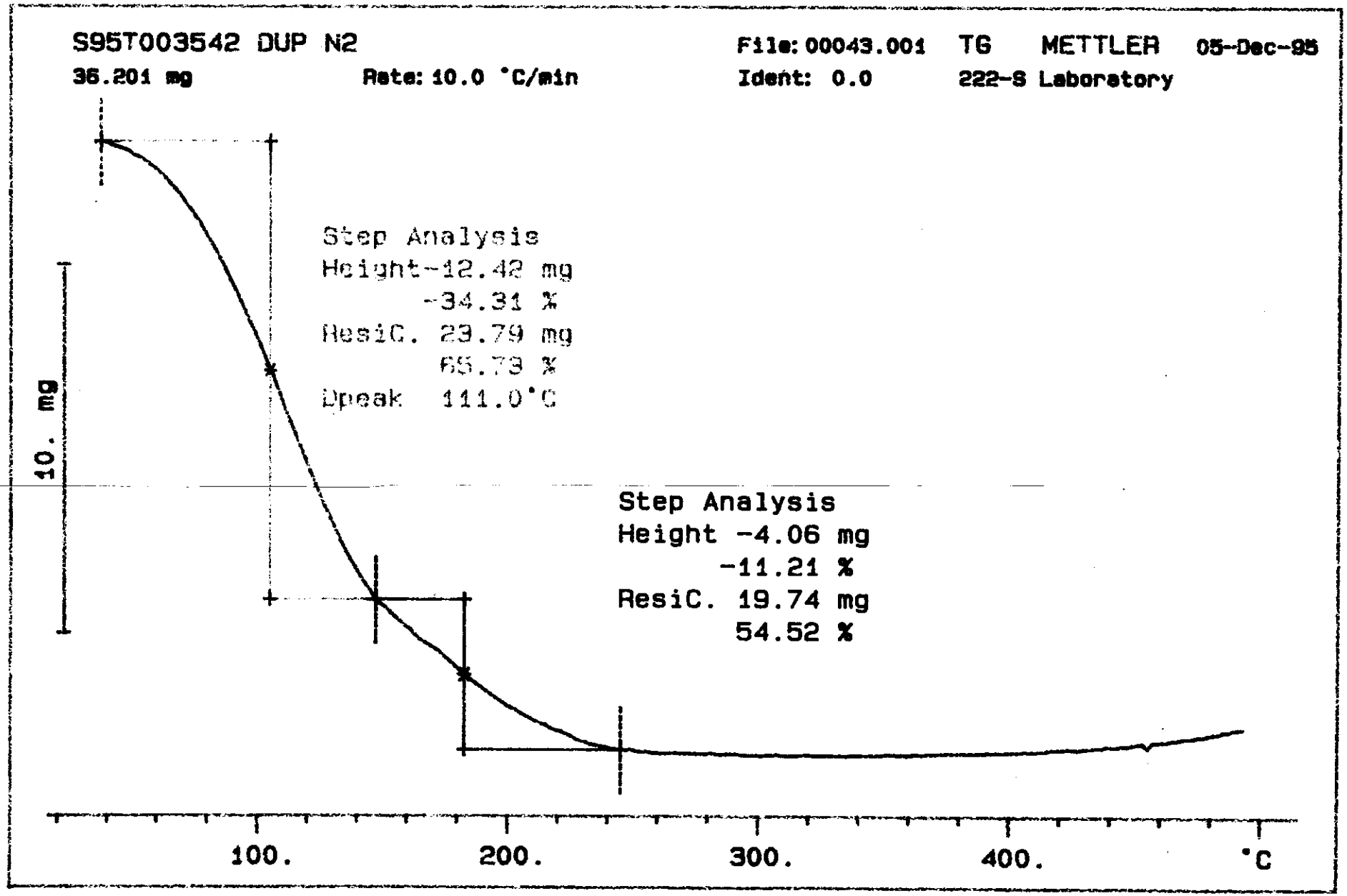
Rae Ann Green
12-3-95

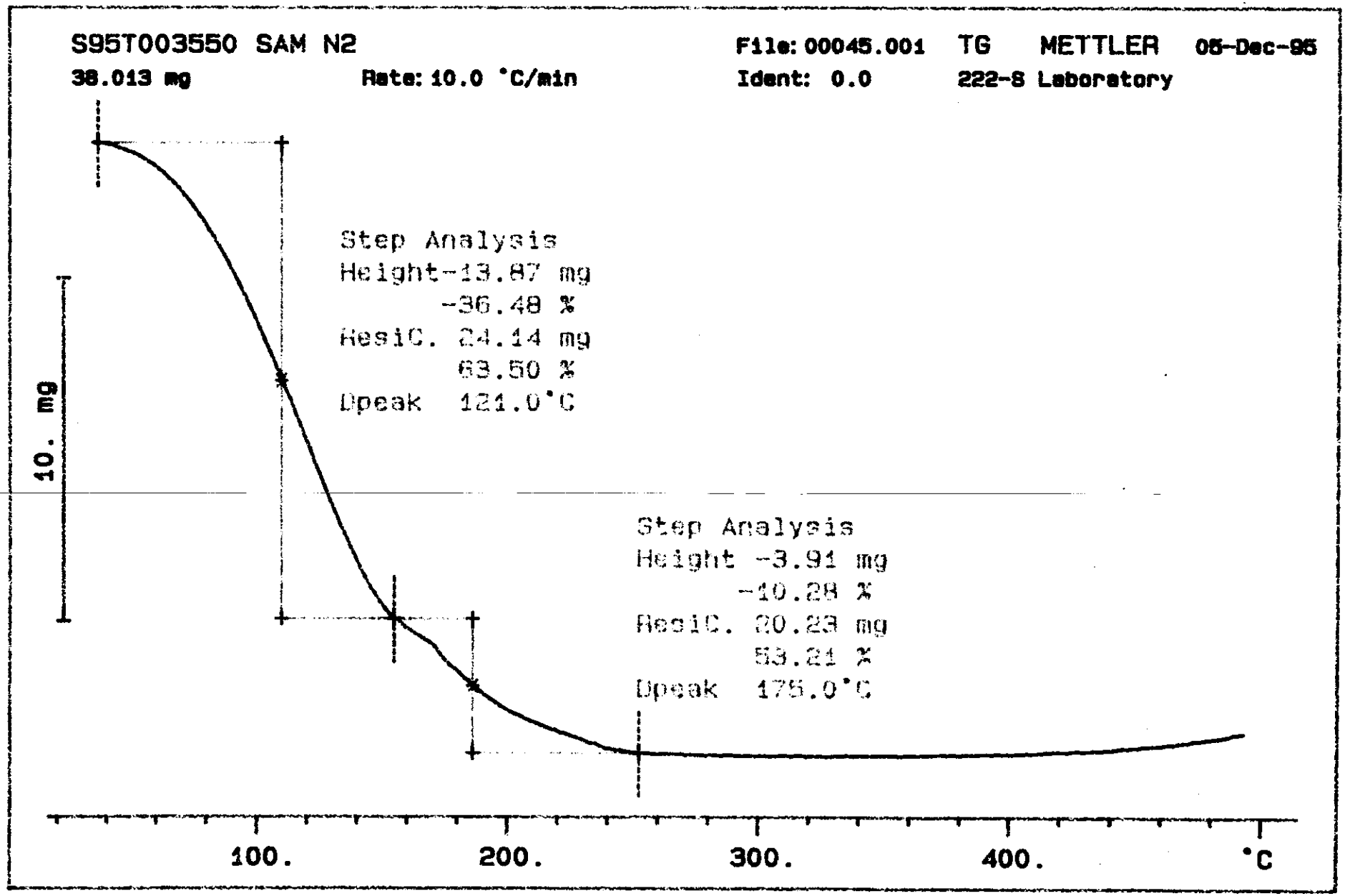

S95T003430 SAM N2
39.373 mg
Rate: 10.0 °C/min
File: 00016.001
TG METTLER
03-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -12.75 mg
-32.39 %
ResiC. 26.62 mg
67.60 %
Step Analysis
Height -3.34 mg
-8.47 %
ResiC. 23.28 mg
59.13 %
Dpeak 189.0°C
10. mg
100.
200.
300.
400.
°C

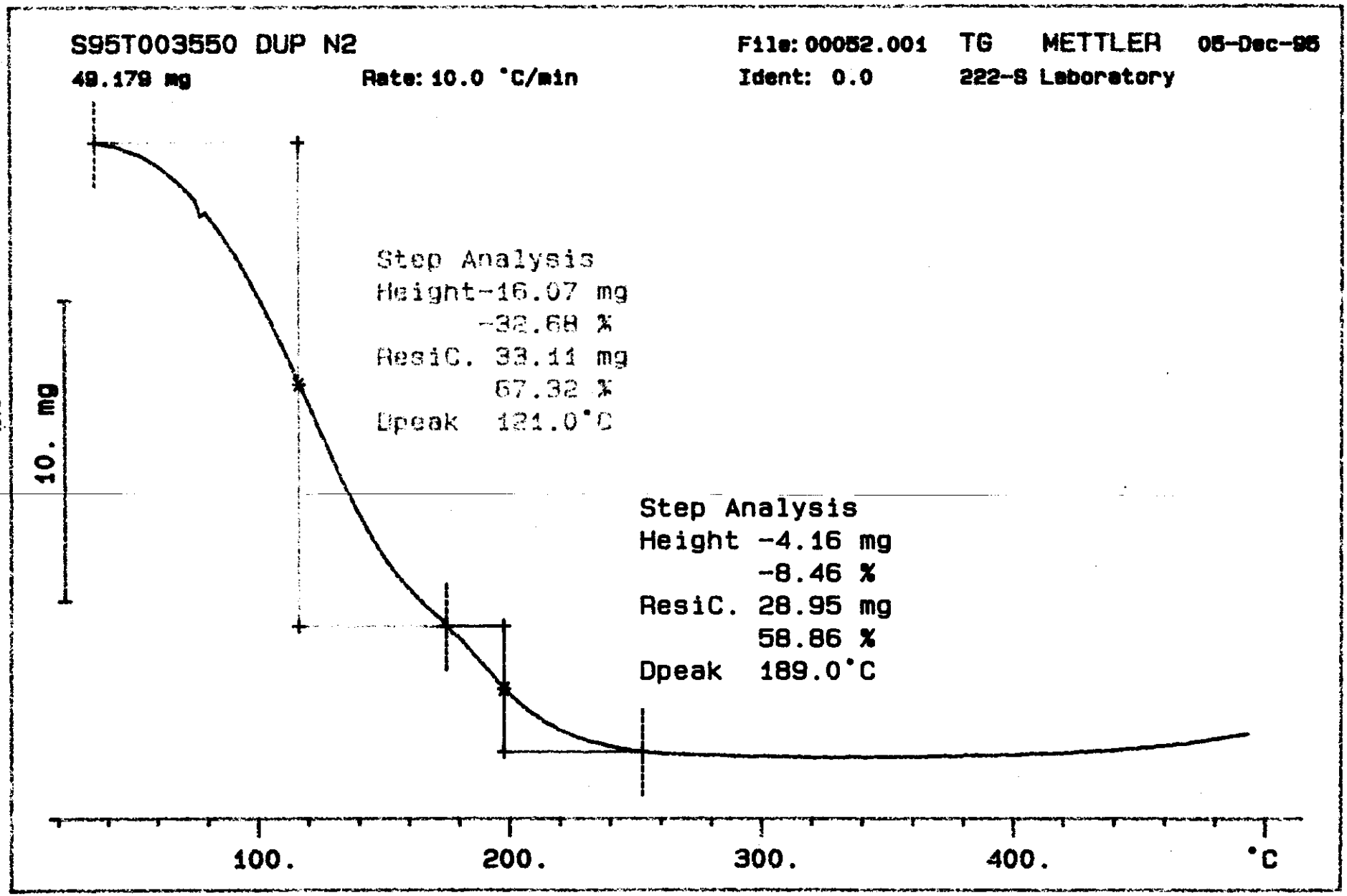

S95T003430 DUP N2
33.885 mg
Rate: 10.0 °C/min
File: 00017.001
TG
METTLER
03-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -10.11 mg
-29.85 %
ResiC. 23.77 mg
70.15 %
Step Analysis
Height -3.81 mg
-11.25 %
ResiC. 19.96 mg
58.91 %
Dpeak 195.0°C
5. mg
100.
200.
300.
400.
°C


TGA STD 65N8A
48.594 mg
Rate: 10.0 °C/min
File: 00035.001
TG METTLER 05-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -29.39 mg
-60.47 %
ResiC. 19.21 mg
39.53 %
Dpeak 126.7°C
10. mg
50.
100.
150.
200.
°C


S95T003542 SAM N2
46.966 mg
Rate: 10.0 °C/min
File: 00038.001
TG
METTLER
05-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -13.79 mg
-29.37 %
ResiC. 33.17 mg
70.62 %
Dpeak 125.0°C
Step Analysis
Height -3.24 mg
-6.90 %
ResiC. 29.93 mg
63.72 %
Dpeak 175.0°C
10. mg
100.
200.
300.
400.
°C


S95T003542 DUP N2
36.201 mg
Rate: 10.0 °C/min
File: 00043.001
TG METTLER 05-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -12.42 mg
-34.31 %
ResiC. 23.79 mg
65.73 %
Dpeak 111.0°C
Step Analysis
Height -4.06 mg
-11.21 %
ResiC. 19.74 mg
54.52 %
10. mg
100.
200.
300.
400.
°C


S95T003550 SAM N2
38.013 mg
Rate: 10.0 °C/min
File: 00045.001
TG
METTLER
05-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -13.87 mg
-36.48 %
ResiC. 24.14 mg
63.50 %
Dpeak 121.0°C
Step Analysis
Height -3.91 mg
-10.28 %
ResiC. 20.23 mg
53.21 %
Dpeak 175.0°C
10. mg
100.
200.
300.
400.
°C


S95T003550 DUP N2
49.179 mg
Rate: 10.0 °C/min
File: 00052.001
TG
METTLER
05-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -16.07 mg
-32.68 %
ResiC. 33.11 mg
67.32 %
Dpeak 121.0°C
Step Analysis
Height -4.16 mg
-8.46 %
ResiC. 28.95 mg
58.86 %
Dpeak 189.0°C
10. mg
100.
200.
300.
400.
°C

LABCORE Data Entry Template for Worklist# 4119

Analyst: [illegible] **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.36	N/A	%
95000171	BY-110	2	SAMPLE	S95T003438	0		TGA-01	SOLID	N/A	33.82		%
95000171	BY-110	3	DUP	S95T003438	0		TGA-01	SOLID	33.82	30.55	N/A	%
95000171	BY-110	4	SAMPLE	S95T003446	0		TGA-01	SOLID	N/A	34.51		%
95000171	BY-110	5	DUP	S95T003446	0		TGA-01	SOLID	34.51	33.25	N/A	%

Final page for worklist # 4119

[illegible] 12/13/95
Analyst Signature **Date**

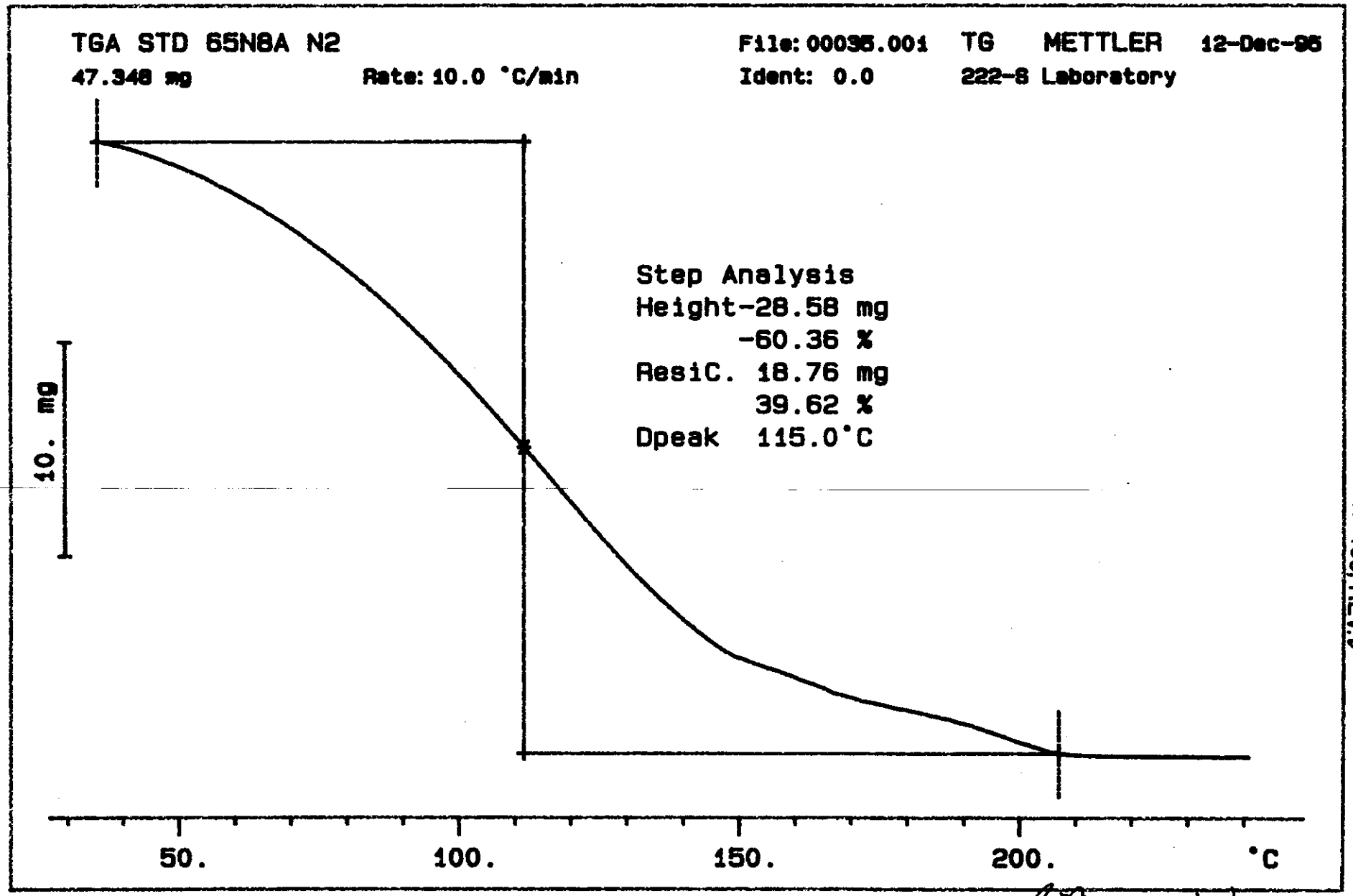
[illegible] 12/15/95
Analyst Signature **Date**

Data Entry Comments: S95T003438 produced a second weight loss step of 9.42%. The chemist broke the thermogram down into two steps because the end limit would be well above 200°C.

S95T003446 produced a second weight loss step of 8.07%. The chemist broke the thermogram down into two steps because the end limit would be well above 200°C.

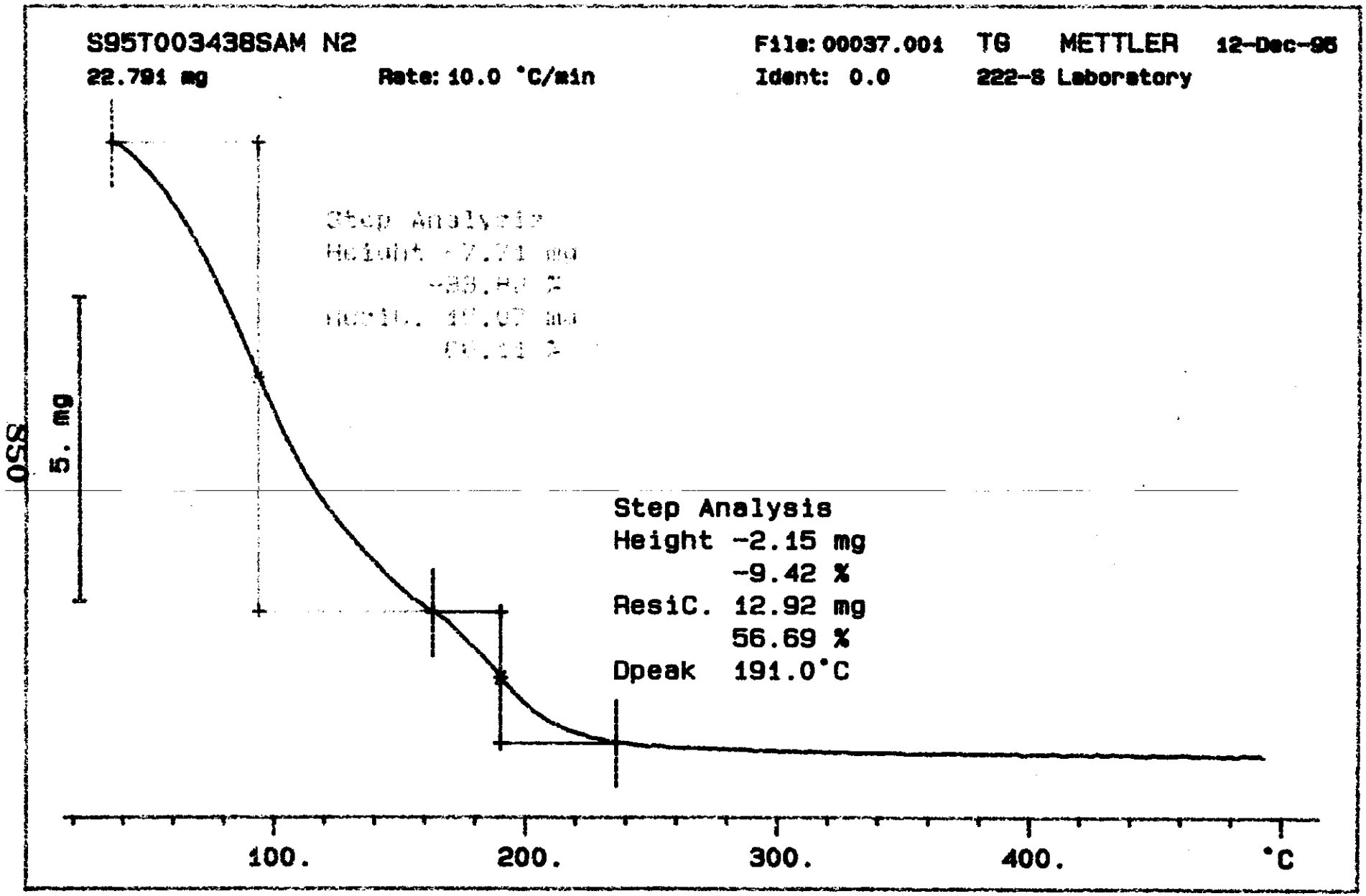
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 849 TO 853.

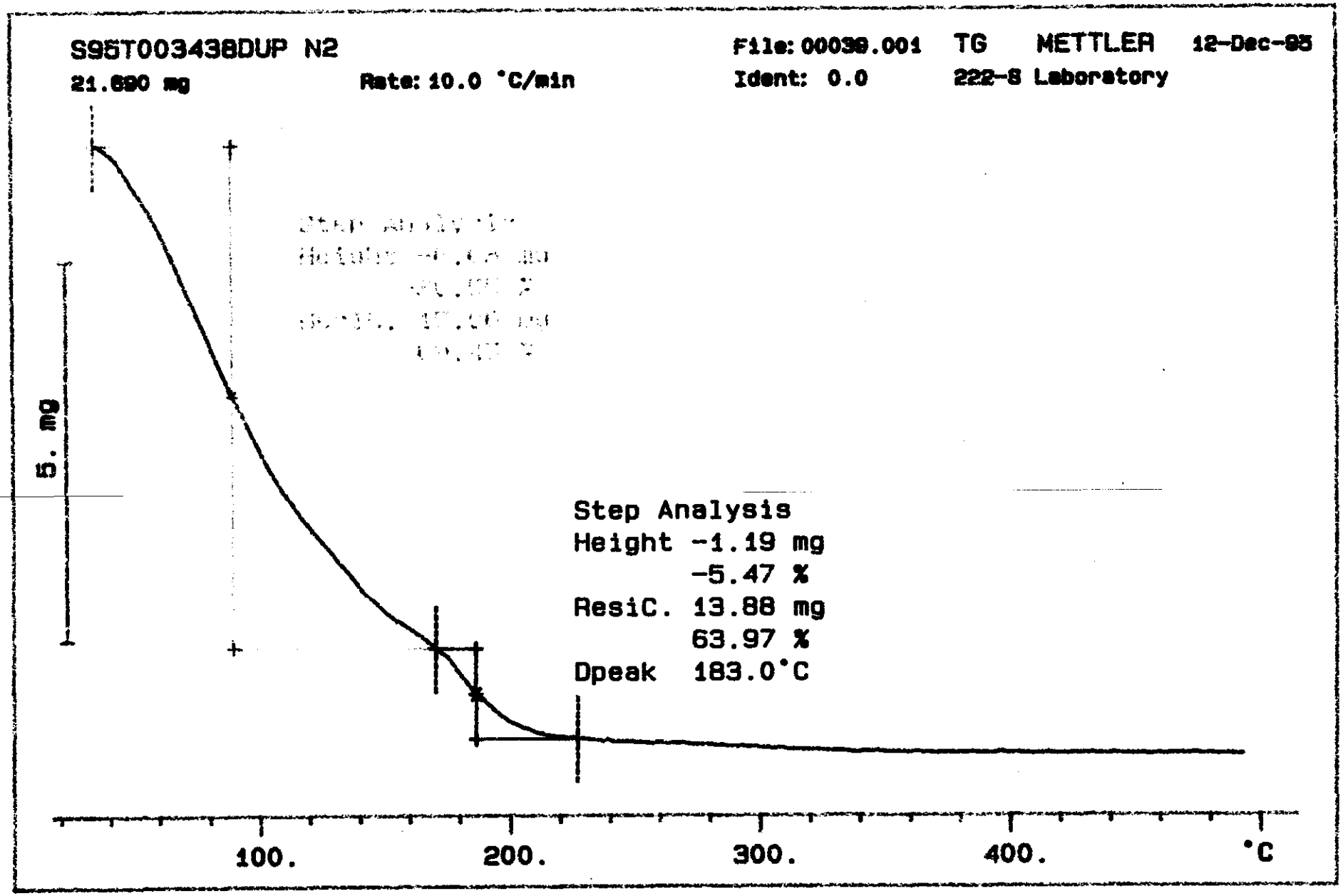


12/13/95

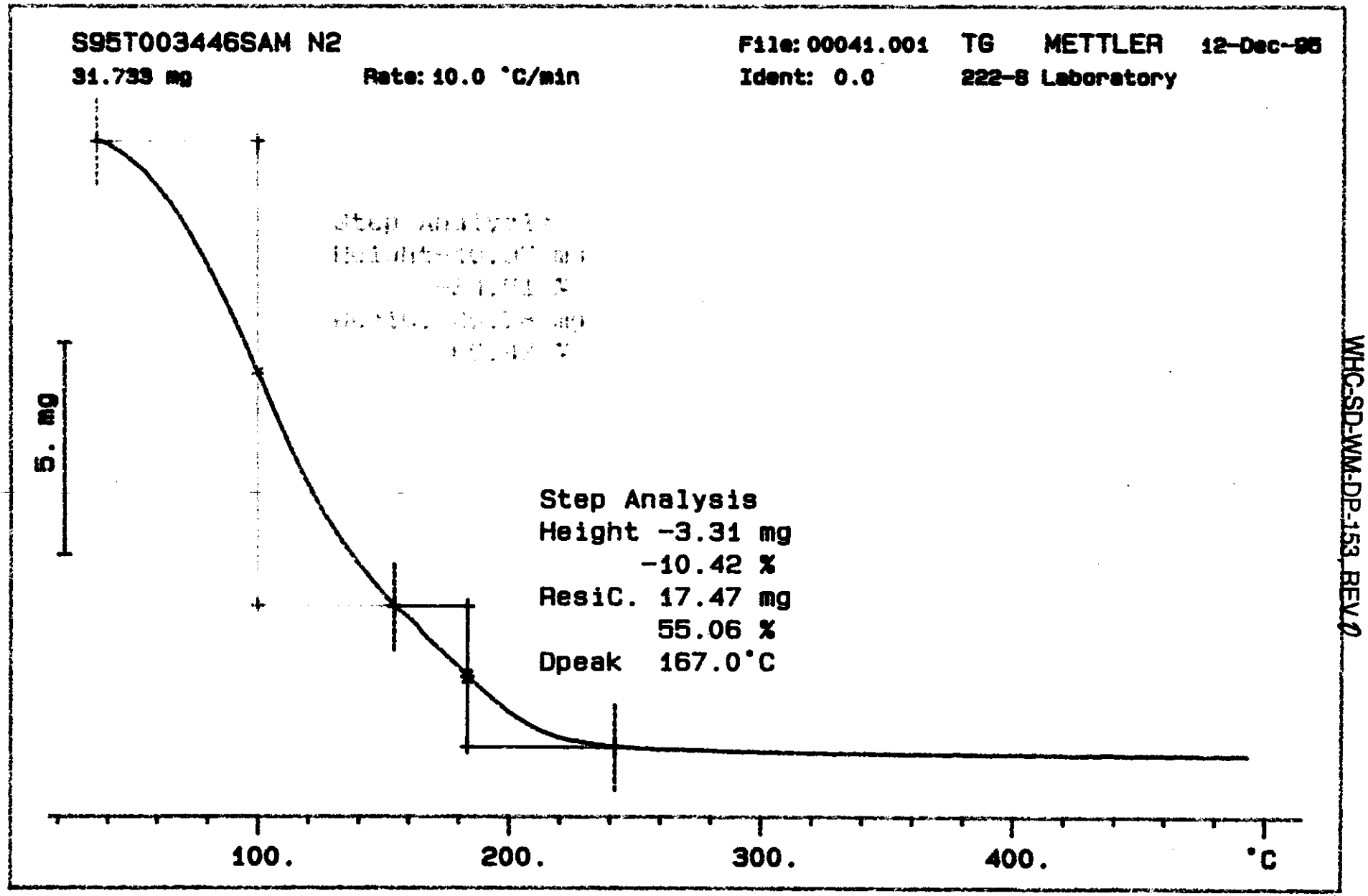
BEST AVAILABLE COPY



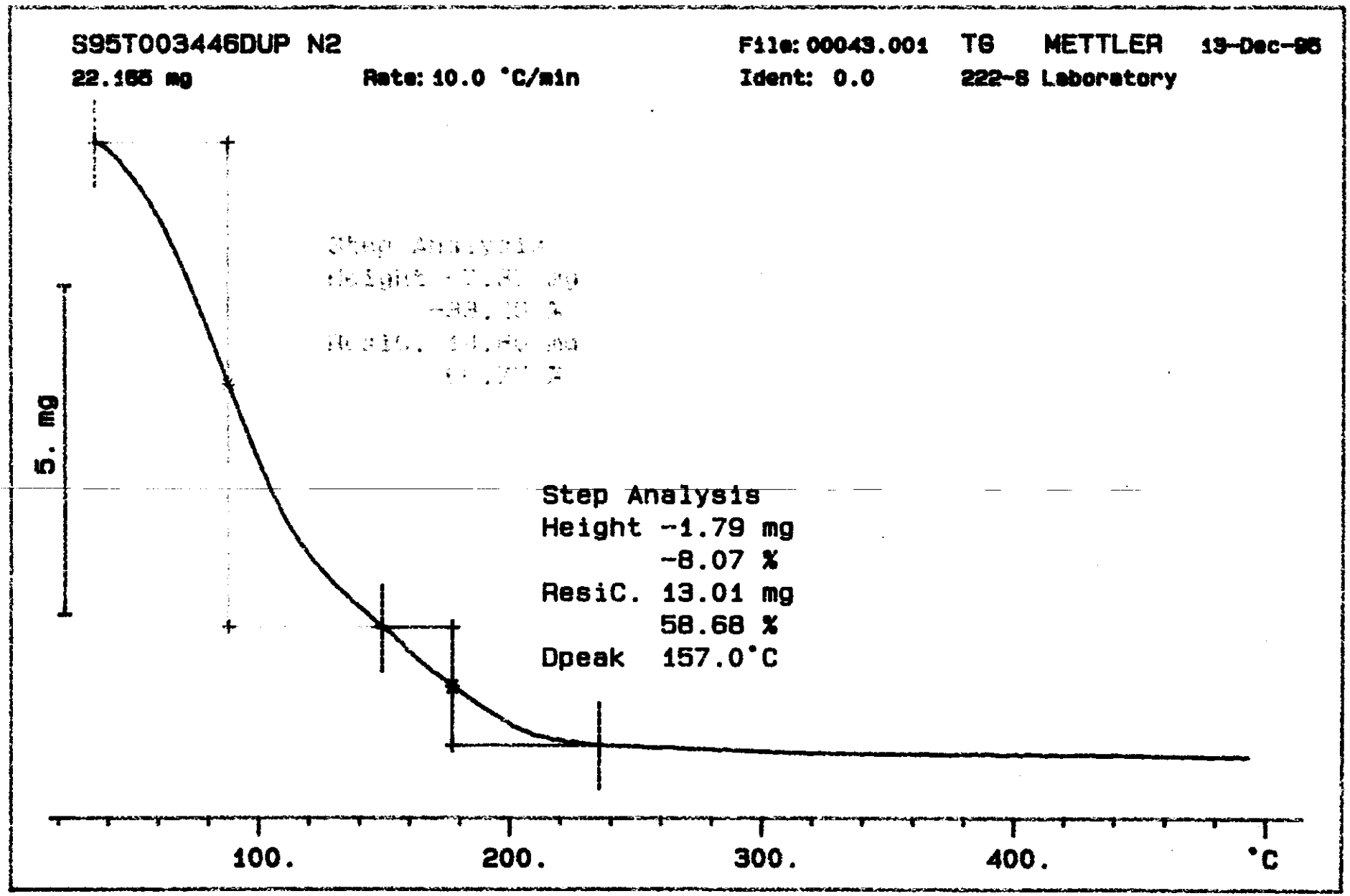
BEST AVAILABLE COPY



BEST AVAILABLE COPY



BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 4120

Analyst: RDM **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.36*	N/A	%
95000171	BY-110	2	SAMPLE	S95T003478	0		TGA-01	SOLID	N/A	38.62		%
		3	STD				TGA-01	SOLID	59.74	60.36	N/A	%
95000171	BY-110	4	DUP	S95T003478	0		TGA-01	SOLID	38.62	36.84	N/A	%
95000171	BY-110	5	SAMPLE	S95T003494	0		TGA-01	SOLID	N/A	38.26		%
95000171	BY-110	6	DUP	S95T003494	0		TGA-01	SOLID	38.26	31.69	N/A	%

Final page for worklist # 4120

See attached for signatures
Analyst Signature **Date** 12/14/95 BDV

RHHale 12/14/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4120

Analyst: RBB **Instrument:** TGA0 _____ **Book #** 65N6A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.36*	N/A	%
95000171	BY-110	2	SAMPLE	S95T003478	0		TGA-01	SOLID	N/A			%
95000171	BY-110	3	DUP	S95T003478	0		TGA-01	SOLID			N/A	%
95000171	BY-110	4	SAMPLE	S95T003494	0		TGA-01	SOLID	N/A			%
95000171	BY-110	5	DUP	S95T003494	0		TGA-01	SOLID			N/A	%

Final page for worklist # 4120

RBB 12/13/95
Analyst Signature **Date**

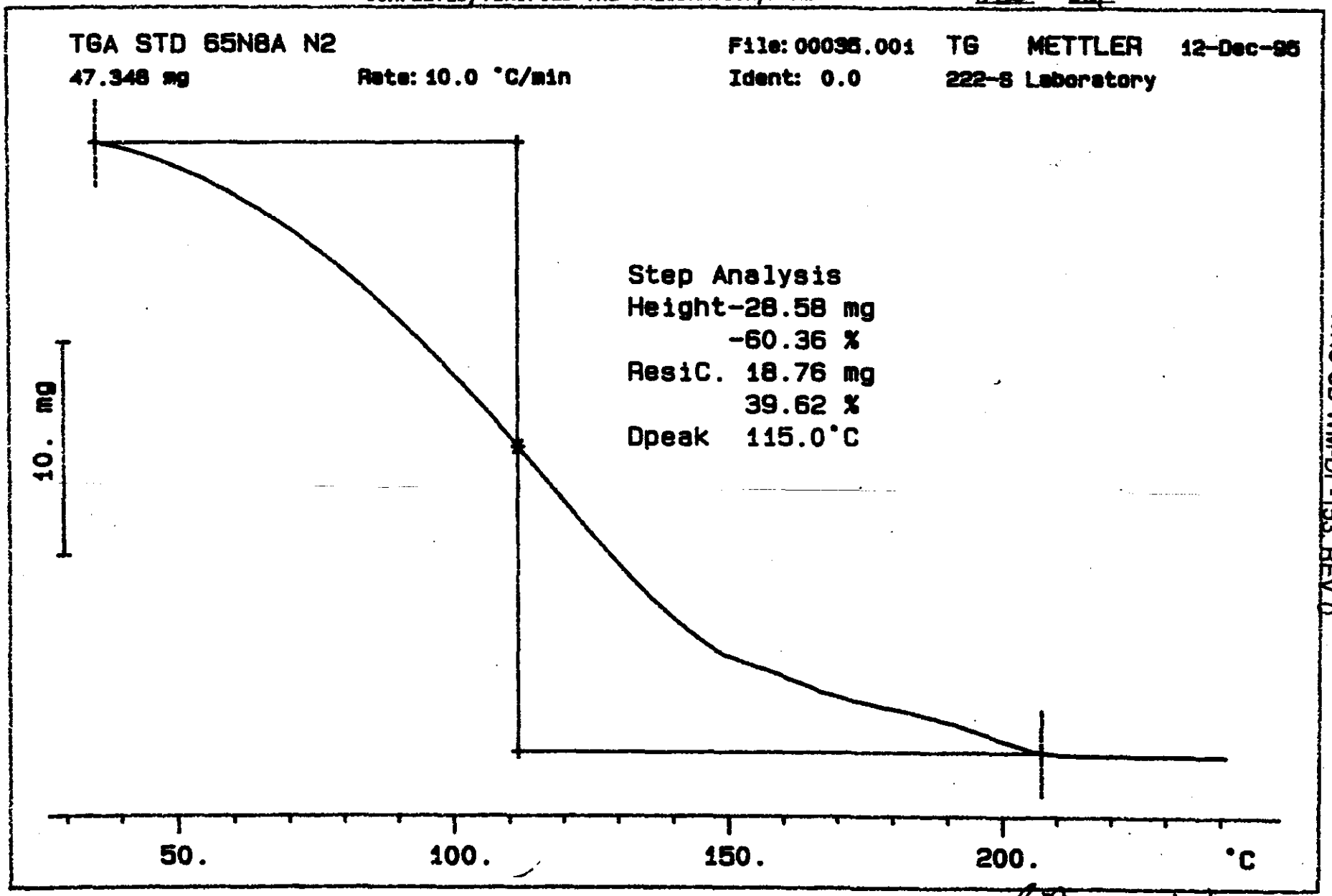
R. Green 12/13/95

Analyst Signature **Date**

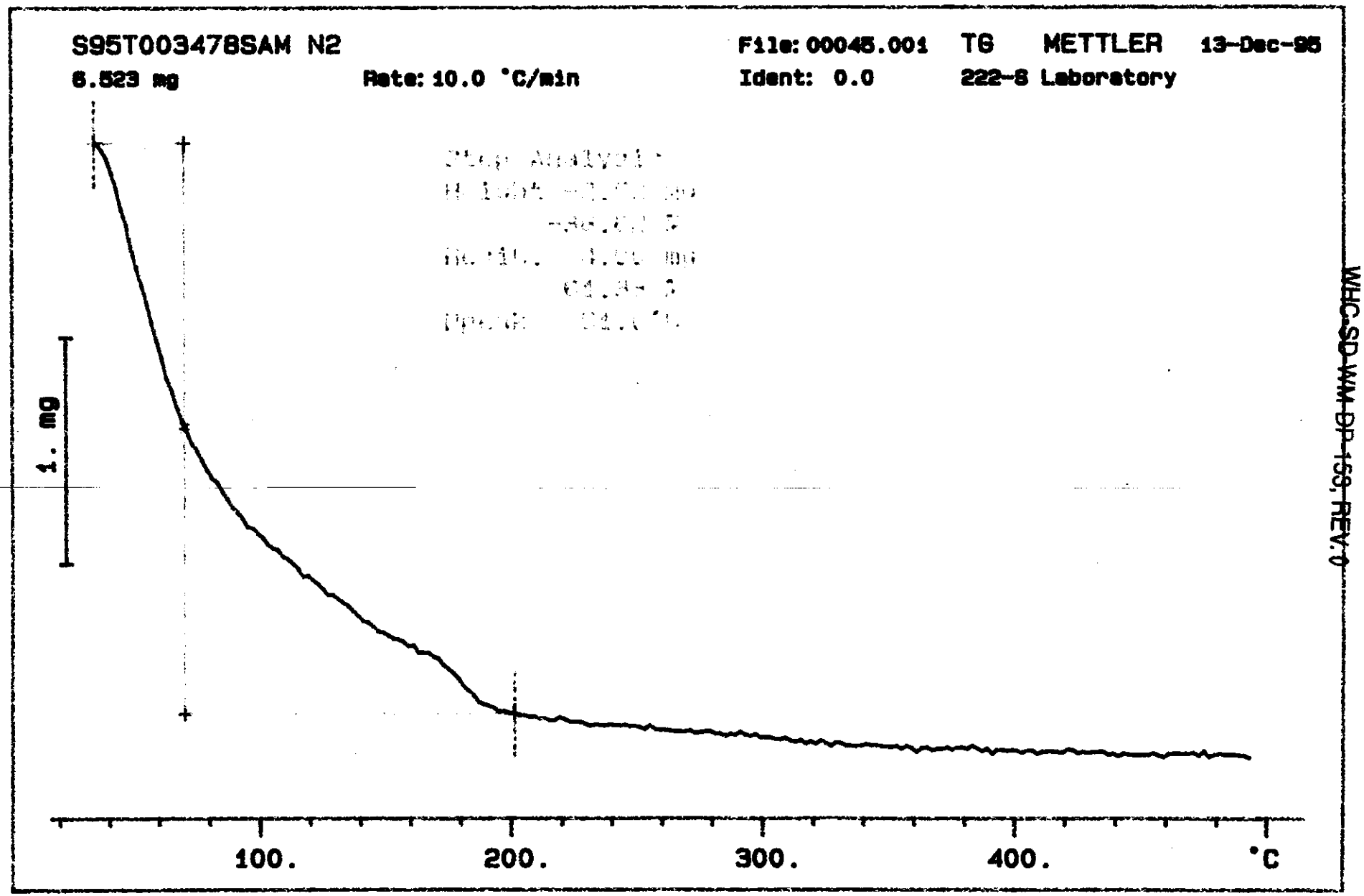
Data Entry Comments:

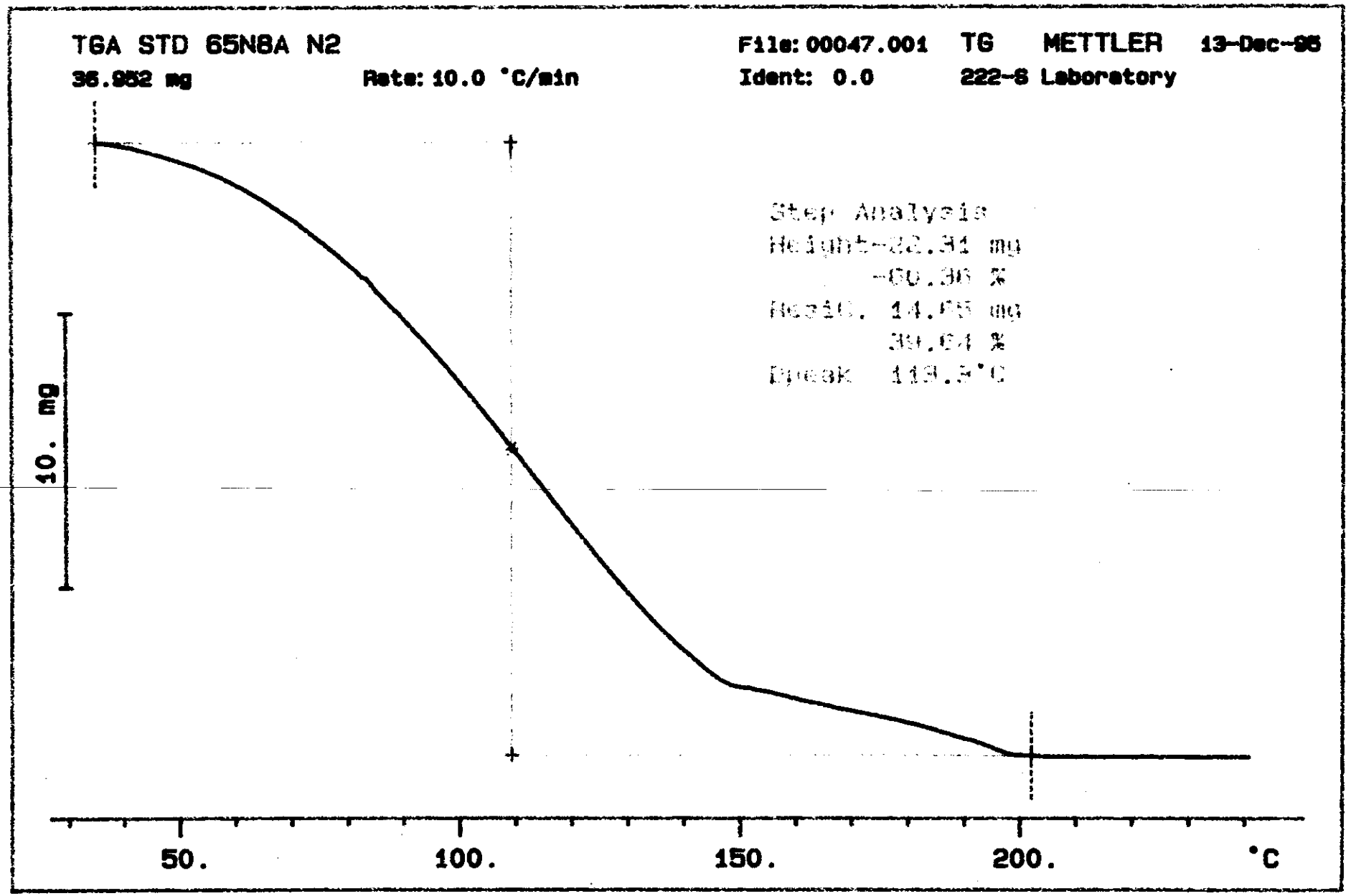
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

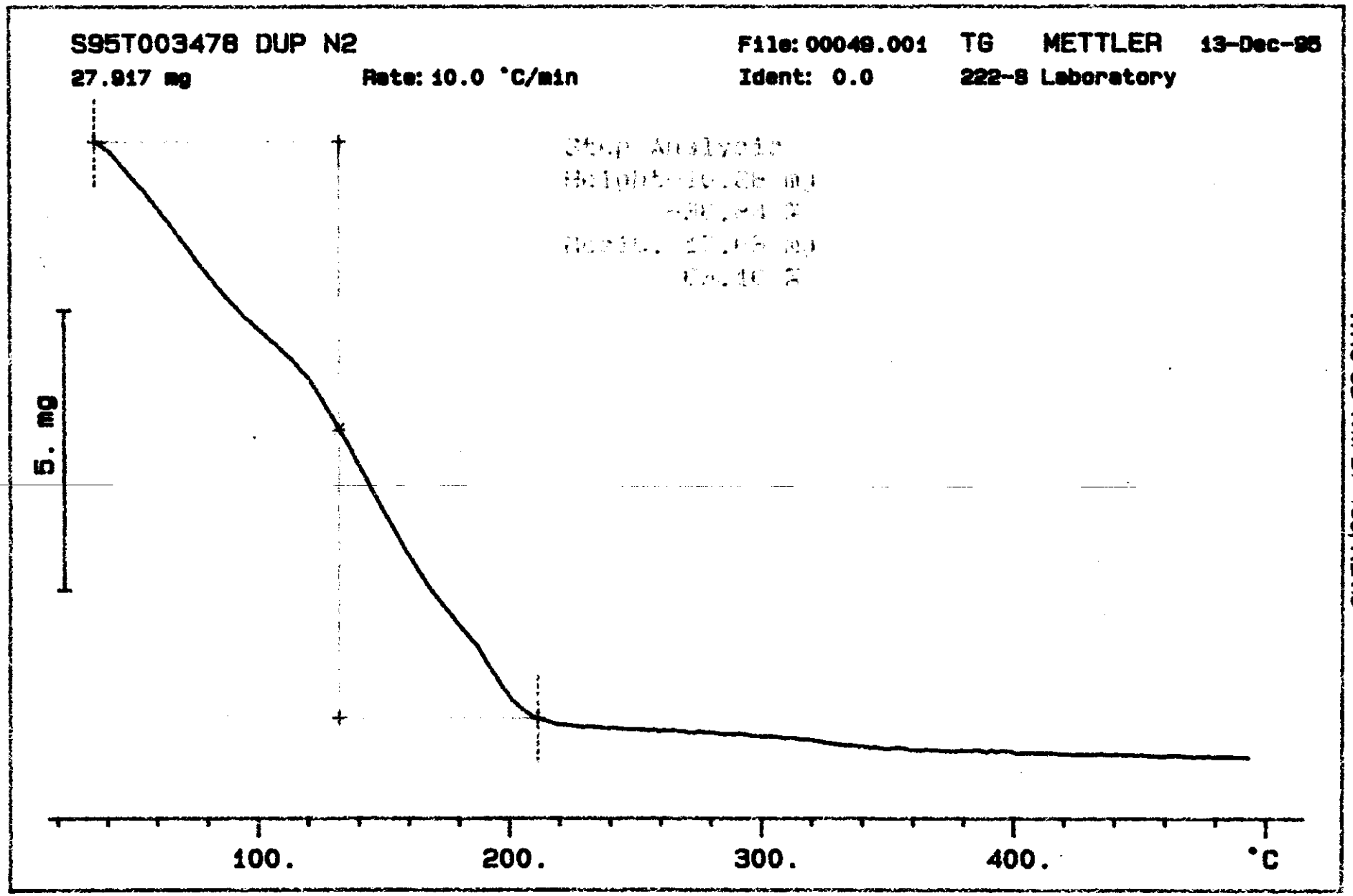
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 856 TO 861.

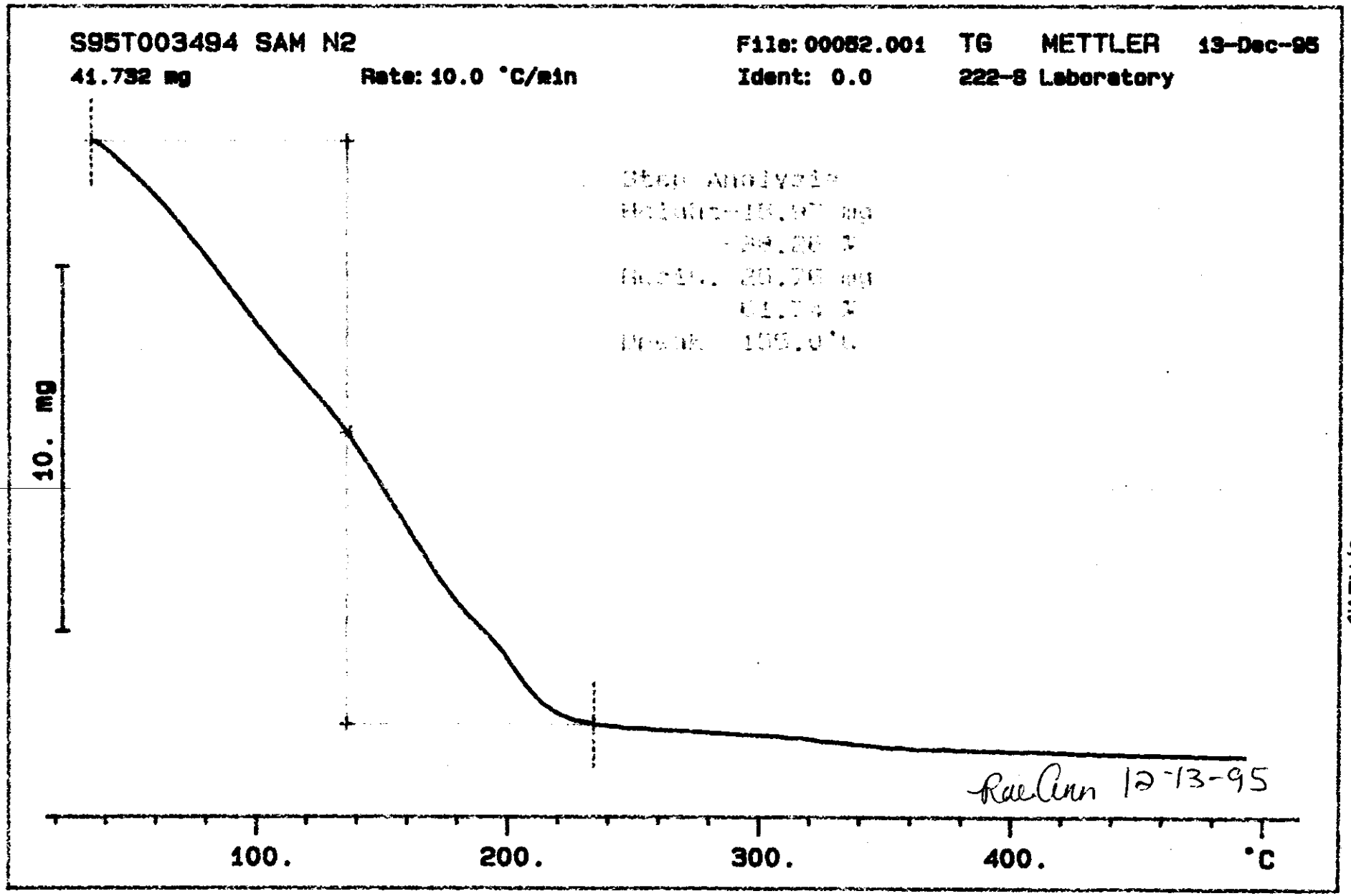


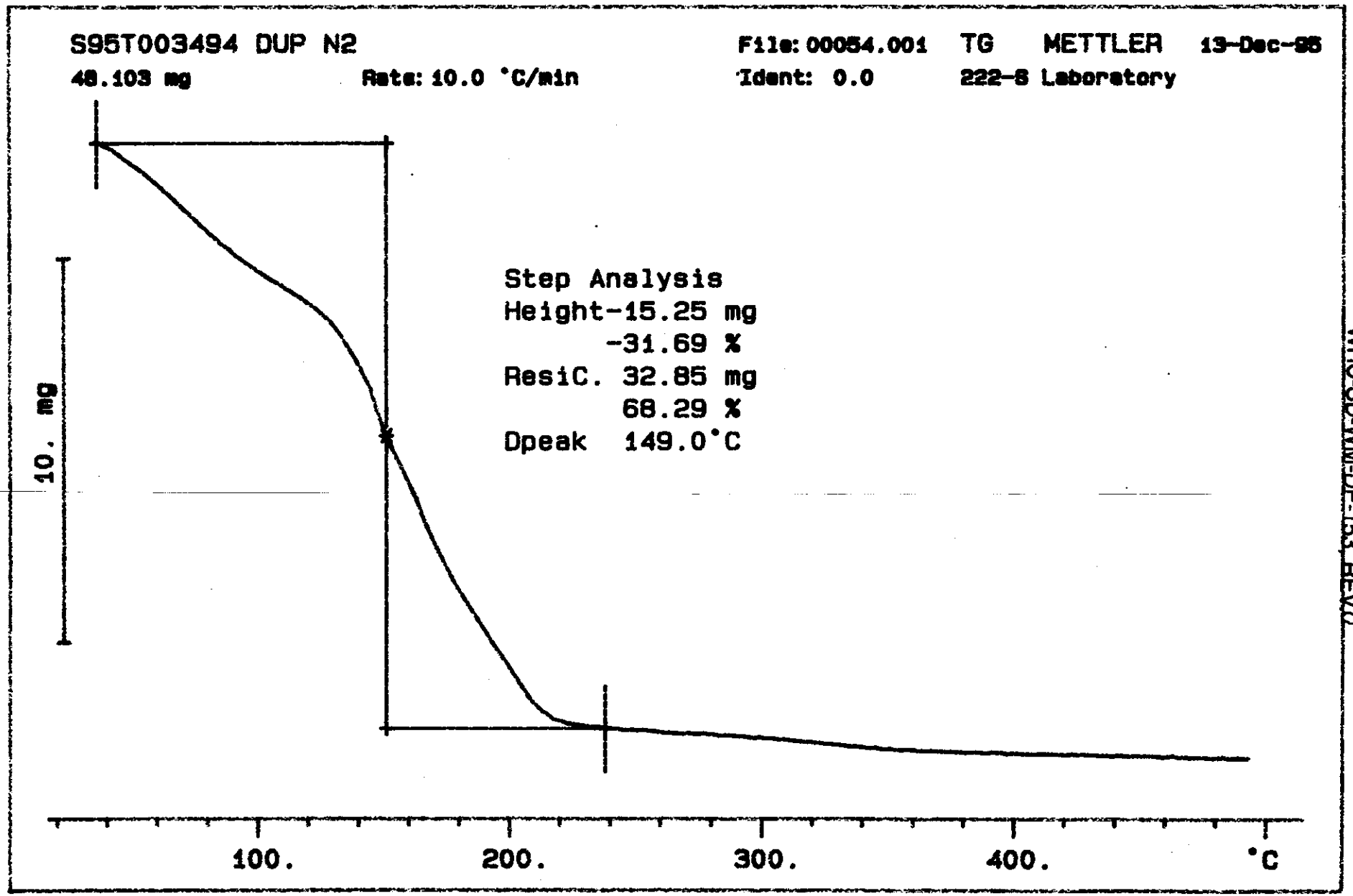
12/13/95


S95T003478SAM N2
6.523 mg
Rate: 10.0 °C/min
File: 00045.001
Ident: 0.0
TG METTLER 13-Dec-95
222-S Laboratory
1. mg
100.
200.
300.
400.
°C


TGA STD 65N8A N2
36.952 mg
Rate: 10.0 °C/min
File: 00047.001
TG METTLER 13-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -22.31 mg
-60.36 %
Resid. 14.65 mg
39.64 %
Peak 119.3°C
10. mg
50.
100.
150.
200.
°C


S95T003478 DUP N2
27.917 mg
Rate: 10.0 °C/min
File: 00049.001
TG
METTLER
13-Dec-95
Ident: 0.0
222-S Laboratory
5. mg
100.
200.
300.
400.
°C


S95T003494 SAM N2
41.732 mg
Rate: 10.0 °C/min
File: 00082.001
Ident: 0.0
TG
METTLER
222-S Laboratory
13-Dec-95
10. mg
100.
200.
300.
400.
°C
Rae Ann 12-13-95


S95T003494 DUP N2
48.103 mg
Rate: 10.0 °C/min
File: 00054.001
TG METTLER 13-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height -15.25 mg
-31.69 %
ResiC. 32.85 mg
68.29 %
Dpeak 149.0°C
10. mg
100.
200.
300.
400.
°C

LABCORE Data Entry Template for Worklist# 4121

Analyst: JDS **Instrument:** TGA0 3 **Book #** 65N8A

Method: LA-514-114 Rev/Mod C-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-03	SOLID	59.74	60.53	N/A	%
95000171	BY-110	2	SAMPLE	S95T003454	0		TGA-03	SOLID	N/A	43.49		%
95000171	BY-110	3	DUP	S95T003454	0		TGA-03	SOLID	43.49	33.26	N/A	%
95000171	BY-110	4	TRIPL	S95T003454	0		TGA-03	SOLID	43.49	19.29	N/A	%
95000171	BY-110	5	SAMPLE	S95T003462	0		TGA-03	SOLID	N/A	27.28		%
95000171	BY-110	6	DUP	S95T003462	0		TGA-03	SOLID	27.28	28.97	N/A	%

Final page for worklist # 4121

See attached for signatures

Analyst Signature **Date** 12/15/95 BBK

RE Wright 12/15/95

Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 4121

Analyst: _____ **Instrument:** TGA0 _____ **Book #** _____

Method: LA-560-112 Rev/Mod _____

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000171	BY-110	2	SAMPLE	S95T003454	0		TGA-01	SOLID	N/A			%
95000171	BY-110	3	DUP	S95T003454	0		TGA-01	SOLID			N/A	%
95000171	BY-110	4	SAMPLE	S95T003462	0		TGA-01	SOLID	N/A			%
95000171	BY-110	5	DUP	S95T003462	0		TGA-01	SOLID			N/A	%

Final page for worklist # 4121

12-15-95

Analyst Signature **Date**

Analyst Signature **Date**

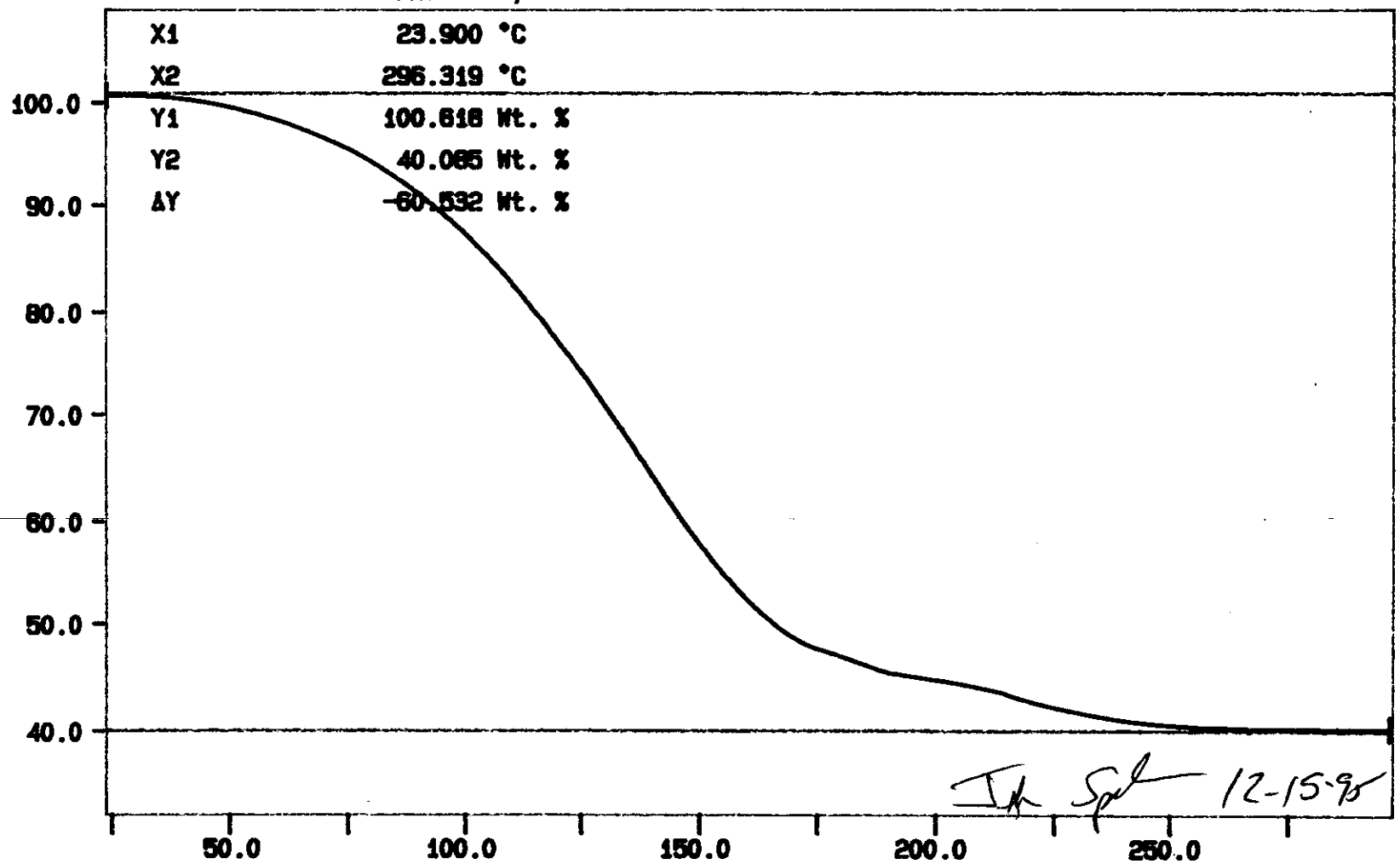
Other instrument was used
12/15/95
BDV

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

Curve 1: TGA
File info: TER121404 Thu Dec 14 19:22:31 1995
Sample Weight: 21.514 mg
65N8-A Terliq

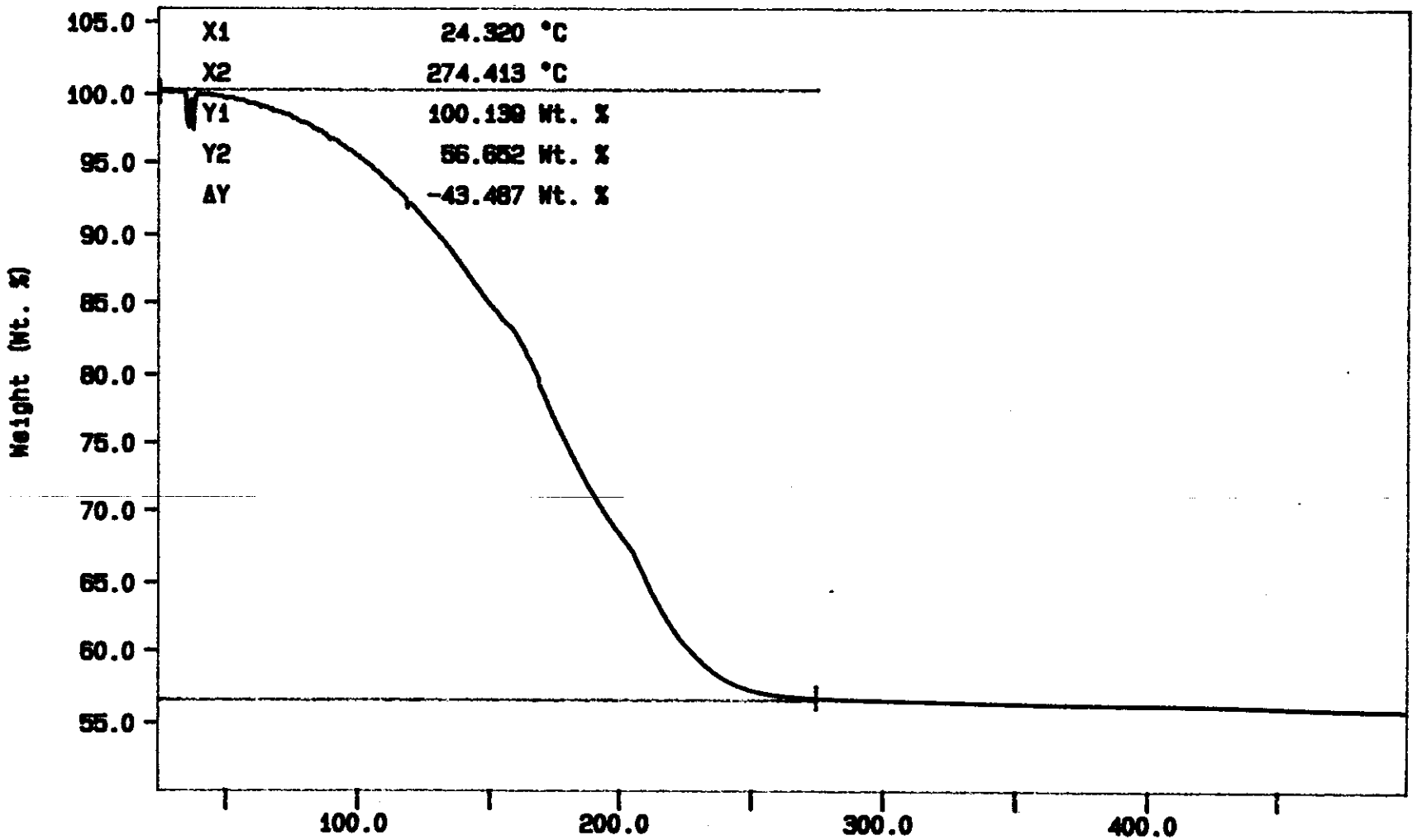
SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 864 TO 868.



N2 10C/MIN
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 300.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 14 19:30:15 1995

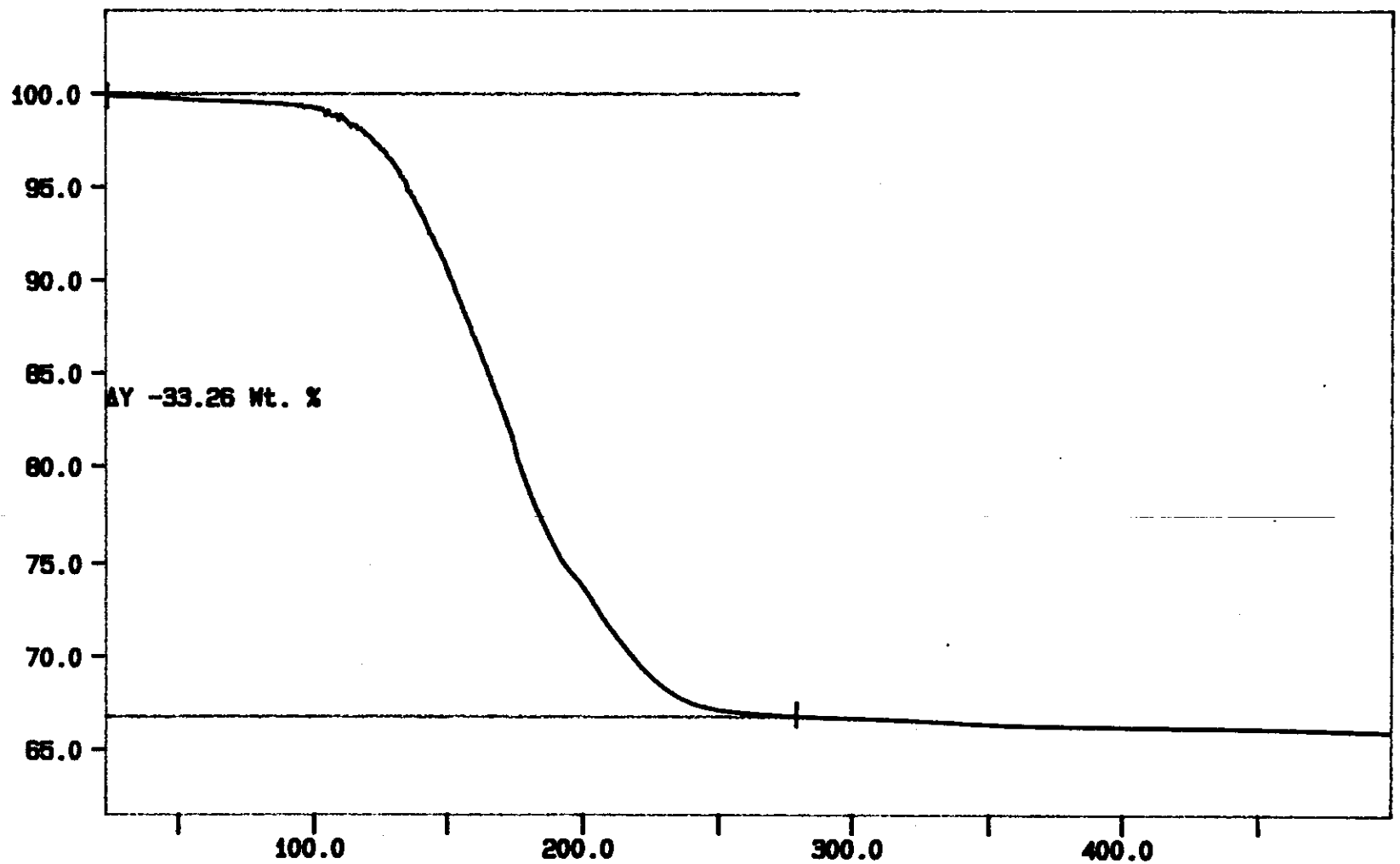
Curve 1: TGA
File info: SAM121406 Thu Dec 14 23:16:42 1995
Sample Weight: 29.913 mg
S95T003454 SAM



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 400.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 14 23:47:30 1995

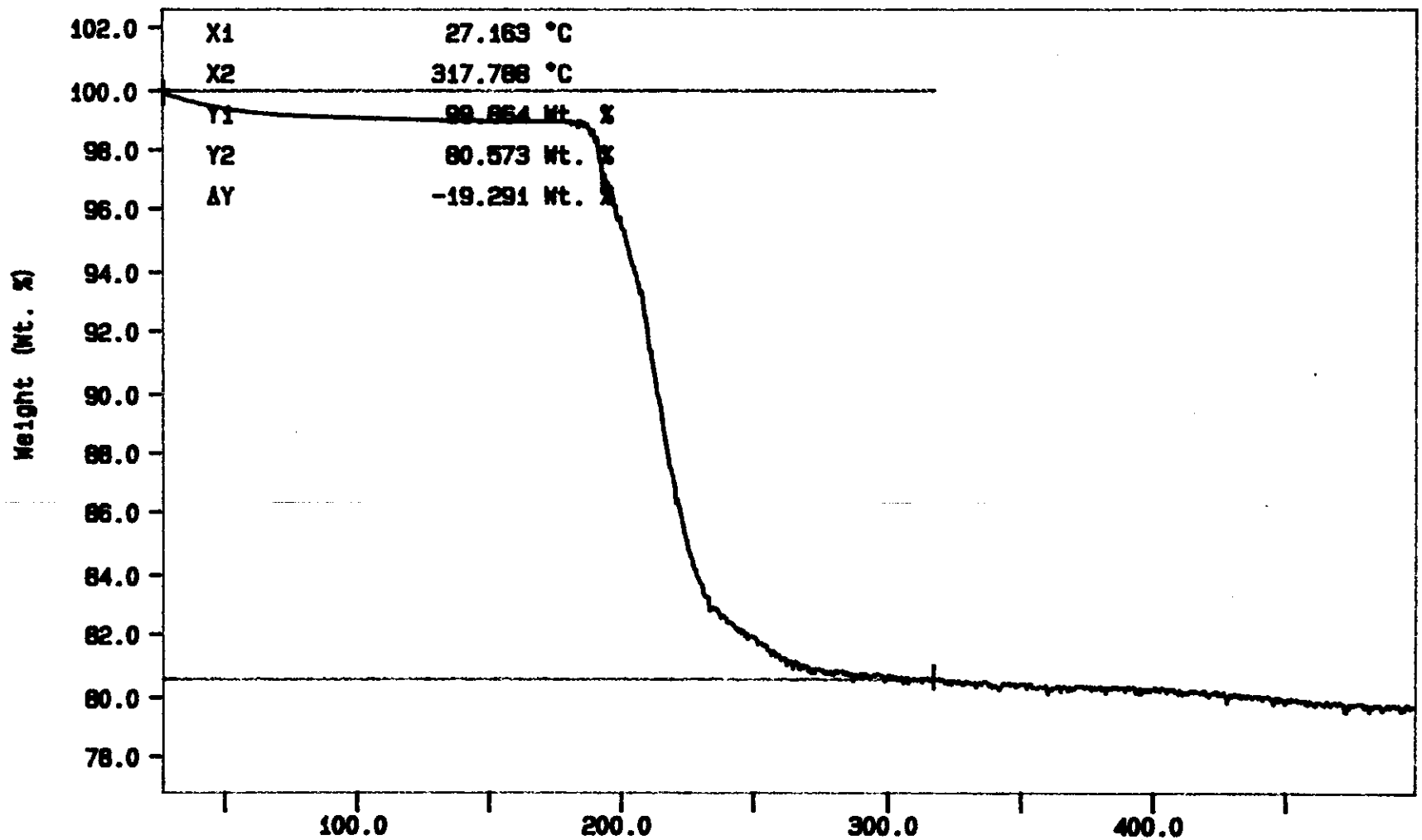
Curve 1: TGA
File info: SAM121403 Thu Dec 14 10:50:31 1995
Sample Weight: 27.599 mg
S95T003454 SAM DUP
12/15/95
BDN



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 600.0 C

PJ MCCOWN
PERKIN-ELMER
7 Series Thermal Analysis System
Thu Dec 14 19:39:08 1995

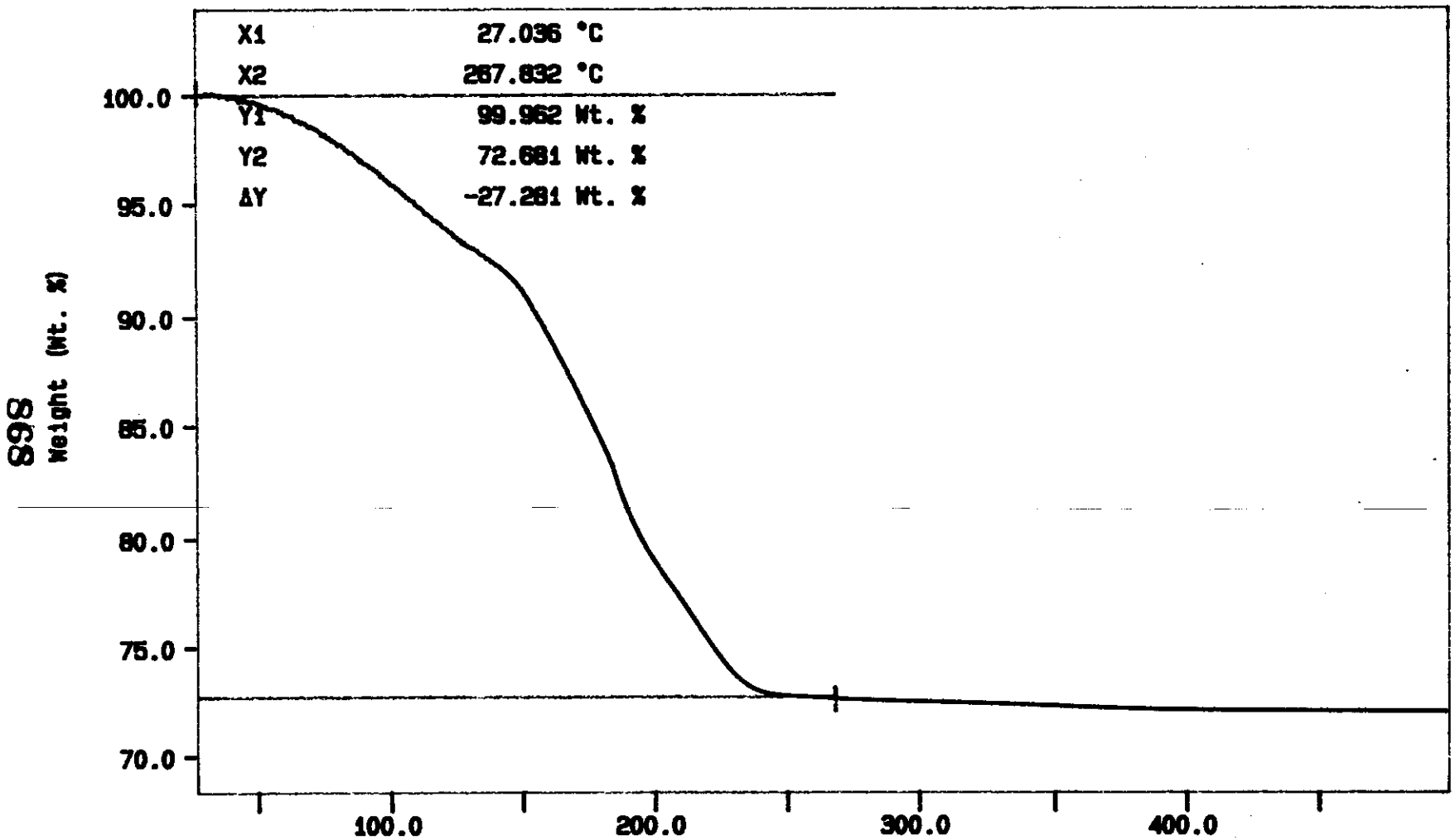
Curve 1: TGA
File info: SAM121502 Fri Dec 15 02:28:04 1995
Sample Weight: 19.569 mg
S95T003454 TRP



10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 550.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Dec 15 02:50:30 1995

Curve 1: TGA
File info: SAM121503 Fri Dec 15 03:56:12 1995
Sample Weight: 33.662 mg
~~595T003454 THP~~ JS 12-15-95
595T003462

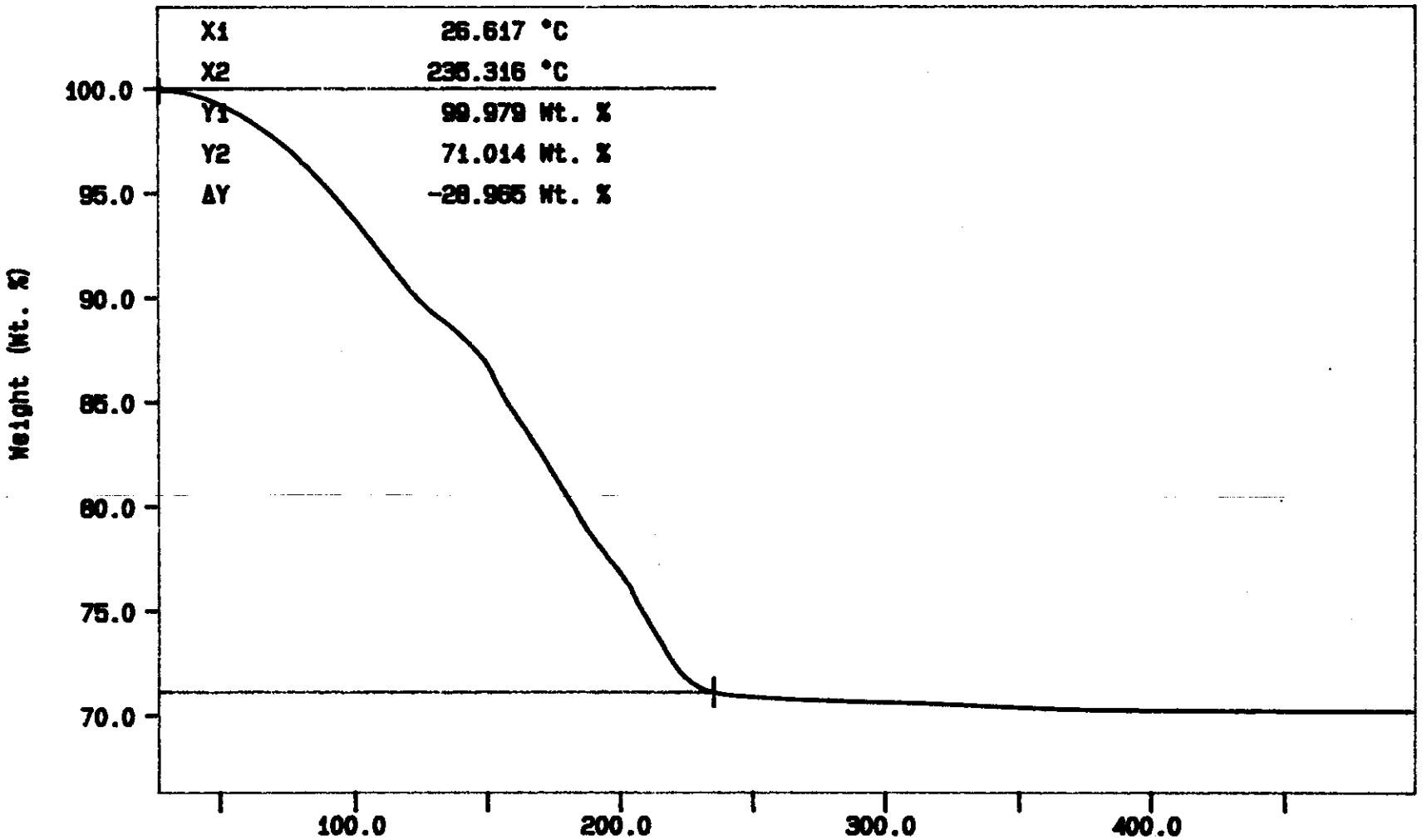


10C/MIN N2
TEMP1: 35.0 C TIME1: 0.0 min RATE1: 10.0 C/min
TEMP2: 550.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Dec 15 04:30:26 1995

868

Curve 1: TGA
File info: SAM121504 Fri Dec 15 05:34:54 1995
Sample Weight: 22.117 mg
995T003462 DUP



10C/MIN N2
TEMP: 25.0 C TIME: 0.0 min RATE: 10.0 C/min
TEMP: 850.0 C

JD SPELLMAN
PERKIN-ELMER
7 Series Thermal Analysis System
Fri Dec 15 06:34:57 1995

LABCORE Data Entry Template for Worklist# 4122

Analyst: RLMcCann **Instrument:** TGA0 1 **Book #** 6548A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.41	N/A	%
95000171	BY-110	2 SAMPLE	S95T003558	0		TGA-01	SOLID	N/A	30.57		%
95000171	BY-110	3 DUP	S95T003558	0		TGA-01	SOLID	30.57	35.53	N/A	%
95000171	BY-110	4 SAMPLE	S95T003566	0		TGA-01	SOLID	N/A	36.53		%
95000171	BY-110	5 DUP	S95T003566	0		TGA-01	SOLID	36.53	37.96	N/A	%

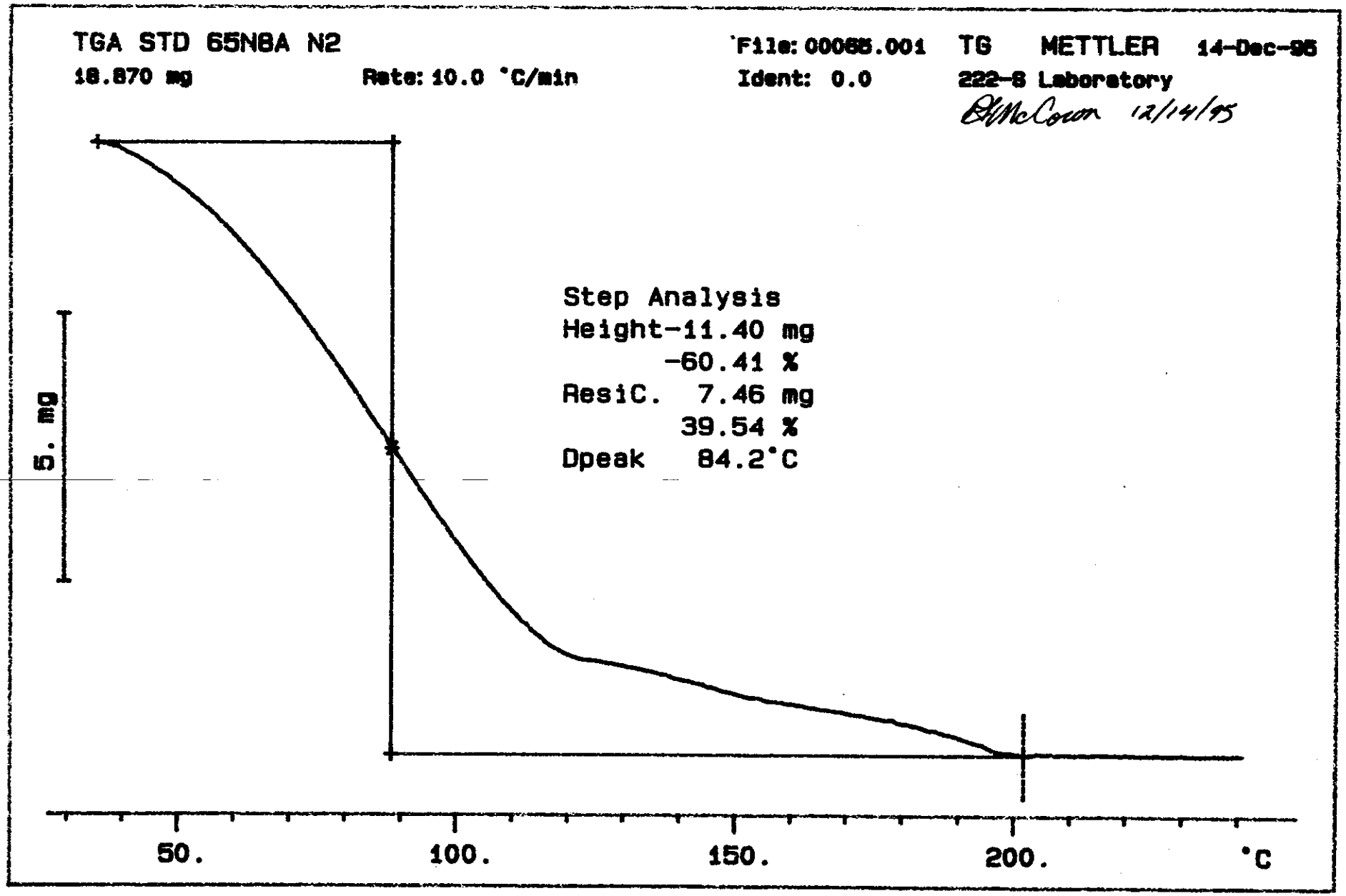
Final page for worklist # 4122

RLMcCann 12/14/95
Analyst Signature **Date**

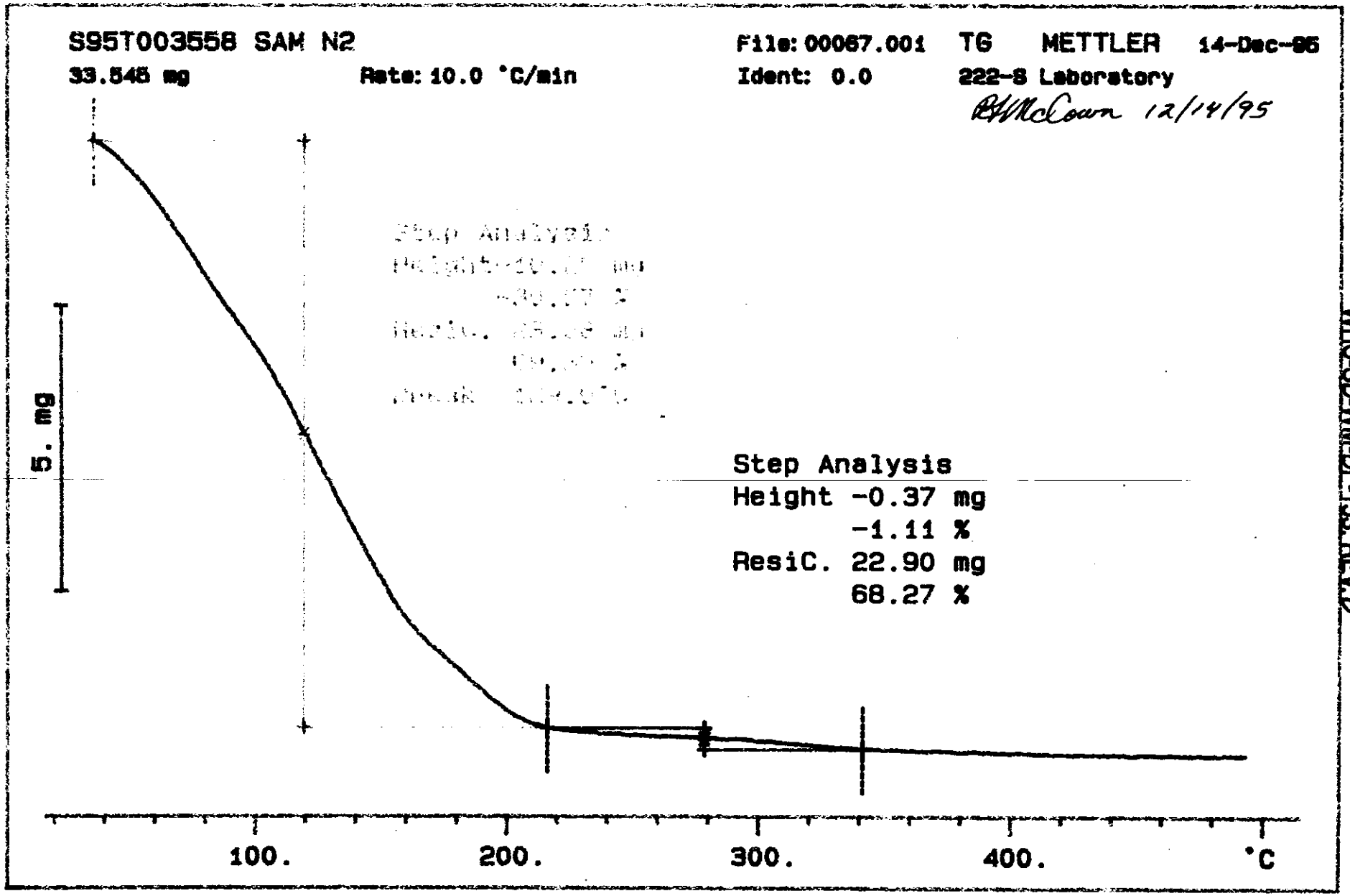
TEWright 12/15/95
Analyst Signature **Date**

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.


TGA STD 65N8A N2
18.870 mg
Rate: 10.0 °C/min
File: 00065.001
Ident: 0.0
TG METTLER 14-Dec-95
222-S Laboratory
BMcCown 12/14/95
Step Analysis
Height-11.40 mg
-60.41 %
ResiC. 7.46 mg
39.54 %
Dpeak 84.2°C
5. mg
50.
100.
150.
200.
°C

BEST AVAILABLE COPY



S95T003558 DUP N2

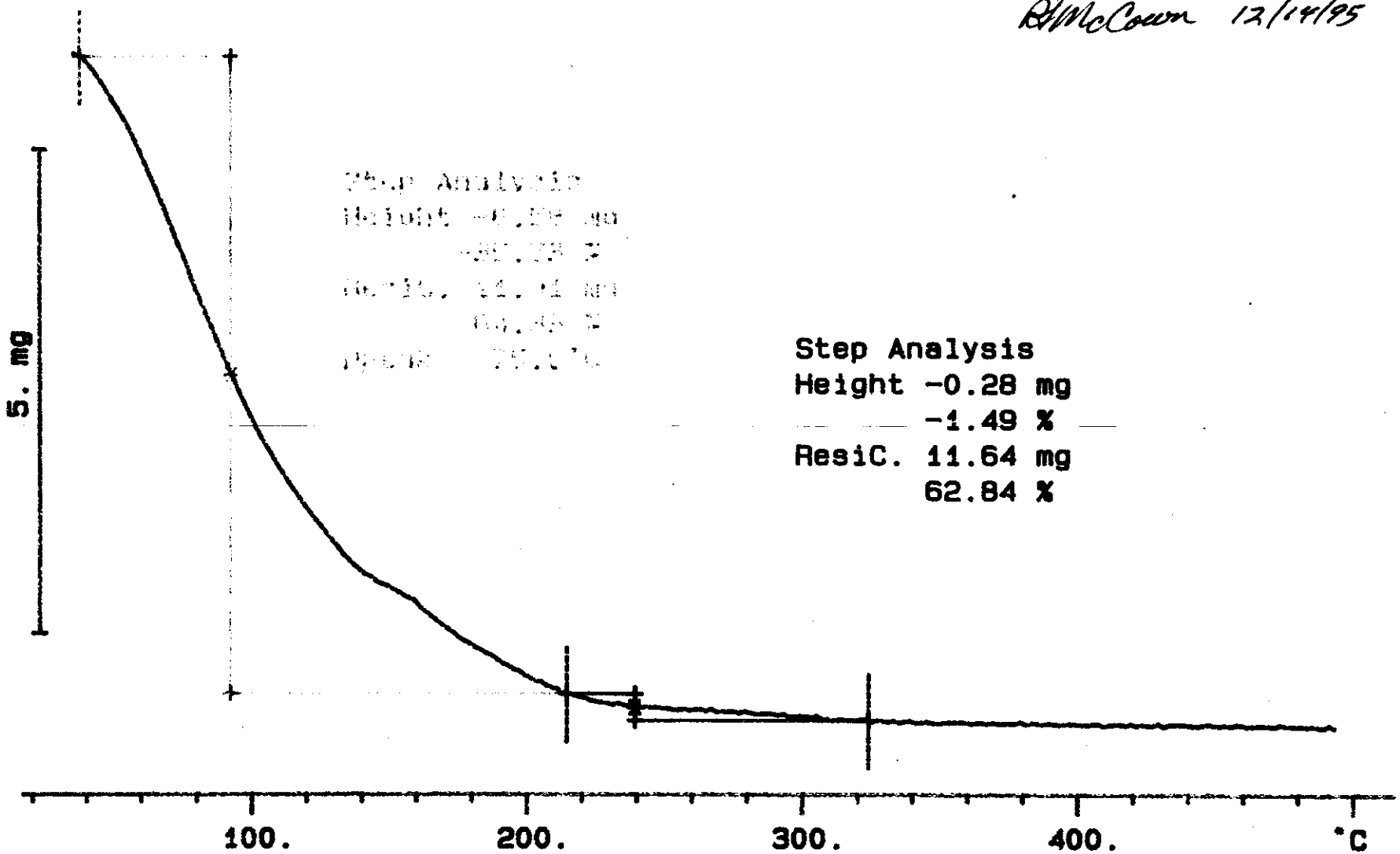
18.520 mg

Rate: 10.0 °C/min

File: 00089.001 TG METTLER 14-Dec-95

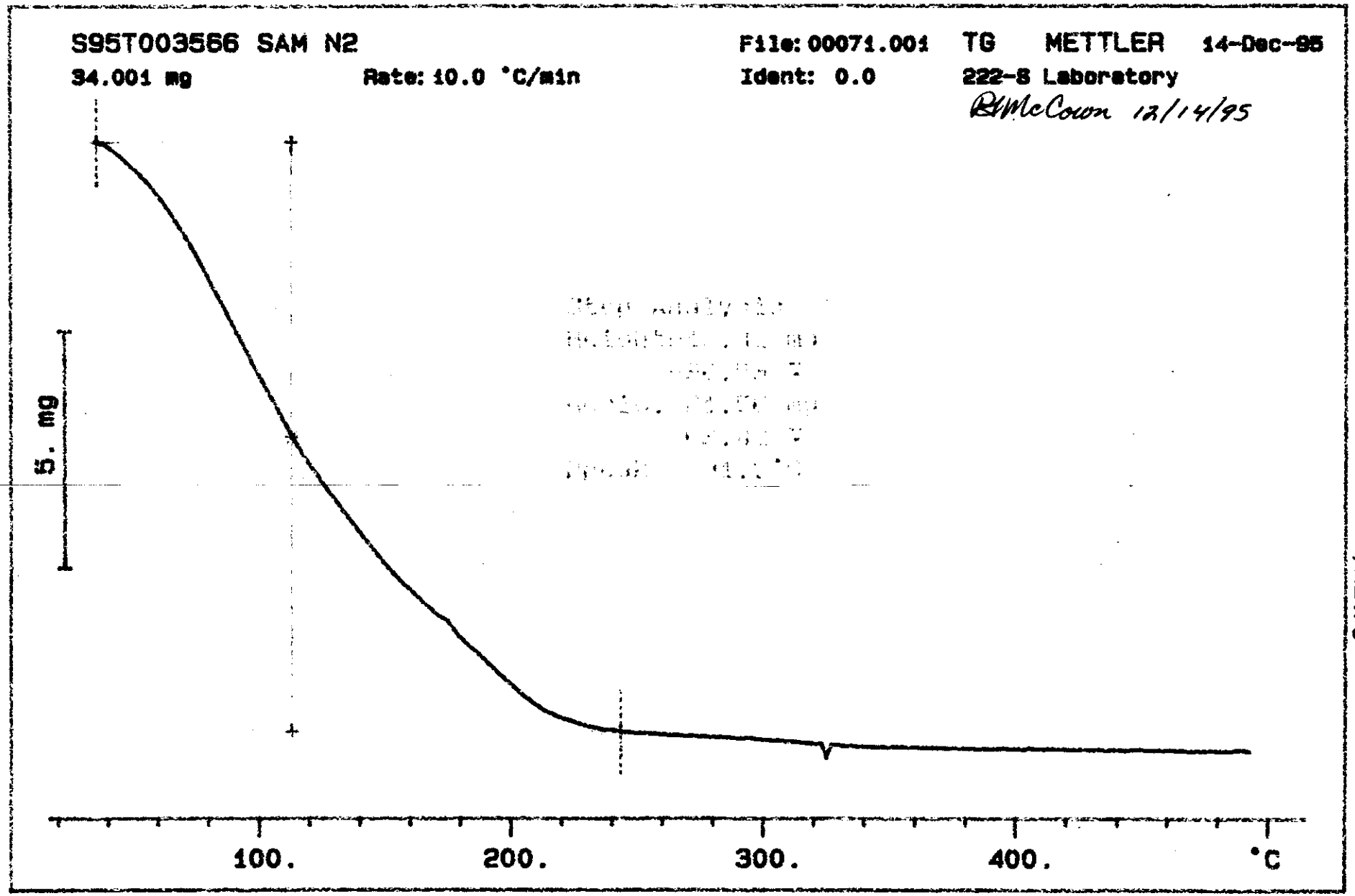
Ident: 0.0 222-S Laboratory

RJ McCown 12/14/95



Step Analysis
Height -0.28 mg
-1.49 %
ResiC. 11.64 mg
62.84 %

BEST AVAILABLE COPY



S95T003566 DUP N2

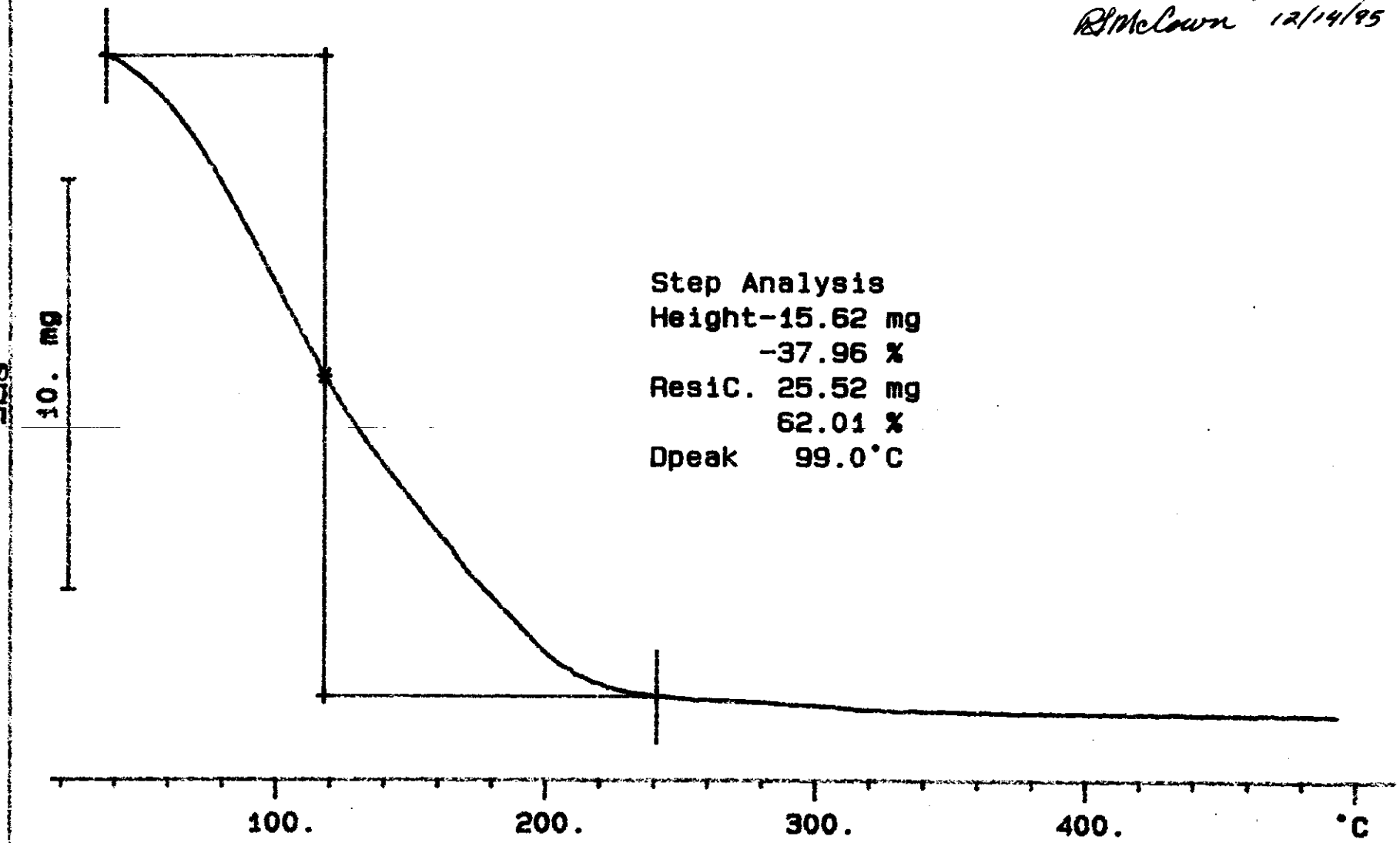
41.158 mg

Rate: 10.0 °C/min

File: 00073.001 TG METTLER 14-Dec-95

Ident: 0.0 222-S Laboratory

RJ McCown 12/14/95



LABCORE Data Entry Template for Worklist# 4130

Analyst: JDS **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	60.40*	N/A	%
95000171	BY-110	2	SAMPLE	S95T003470	0		TGA-01	SOLID	N/A	34.17		%
95000171	BY-110	3	DUP	S95T003470	0		TGA-01	SOLID	34.17	31.62	N/A	%
95000171	BY-110	4	SAMPLE	S95T003486	0		TGA-01	SOLID	N/A	33.42		%
95000171	BY-110	5	DUP	S95T003486	0		TGA-01	SOLID	33.42	32.73	N/A	%

Final page for worklist # 4130

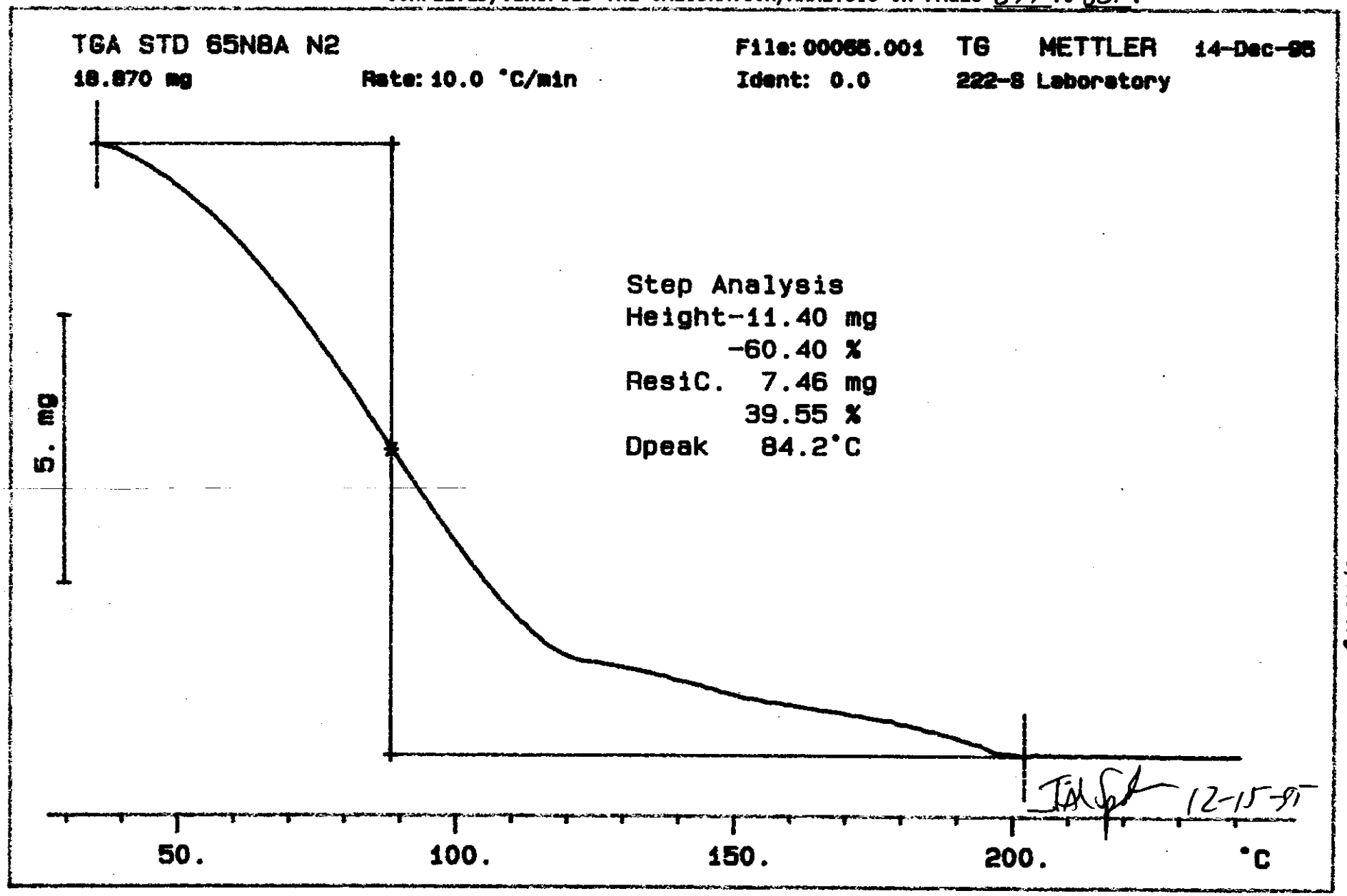
Analyst Signature 12-15-95 Date

Analyst Signature Date

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 877 TO 881.



12-15-95

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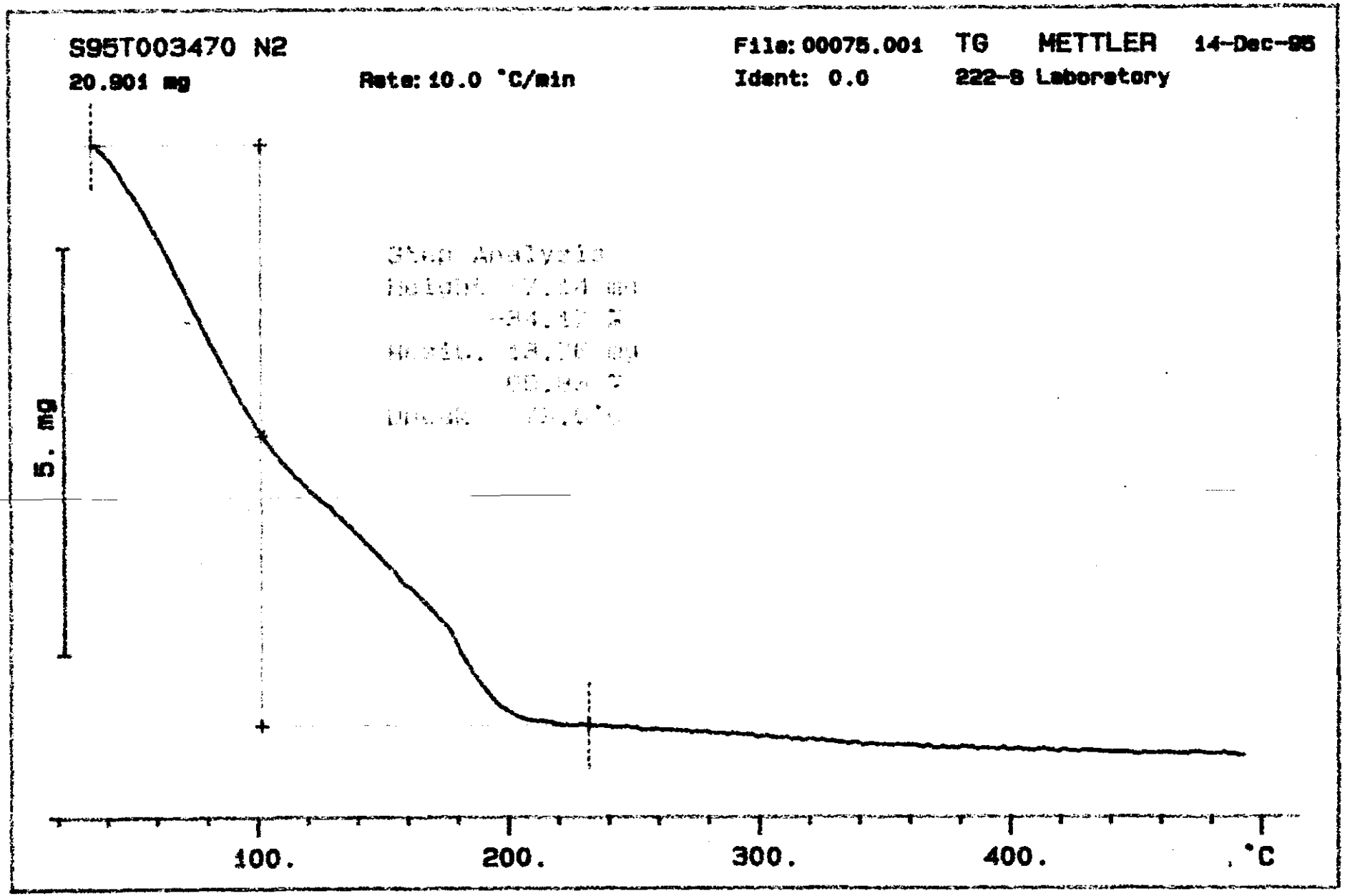
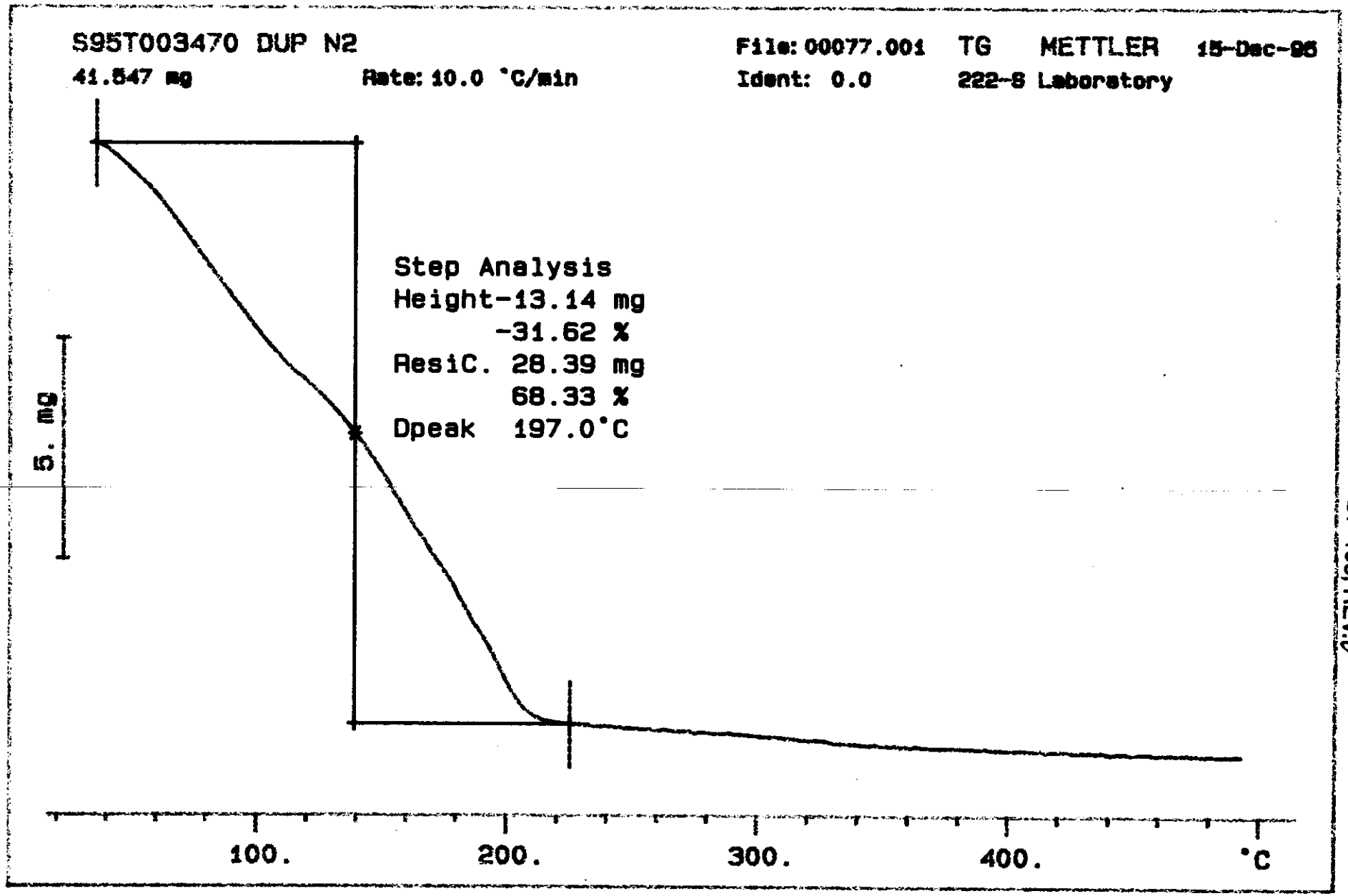
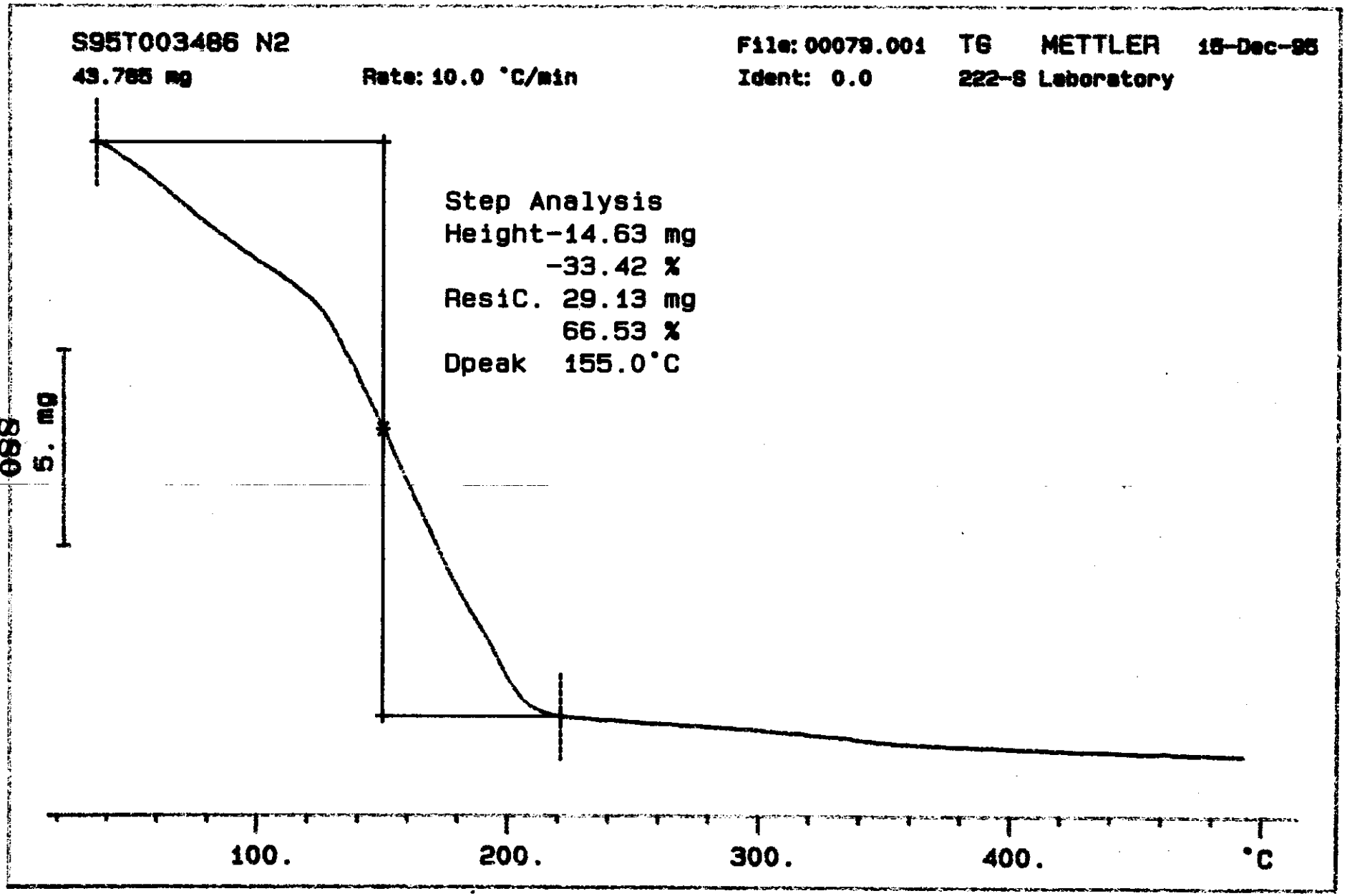
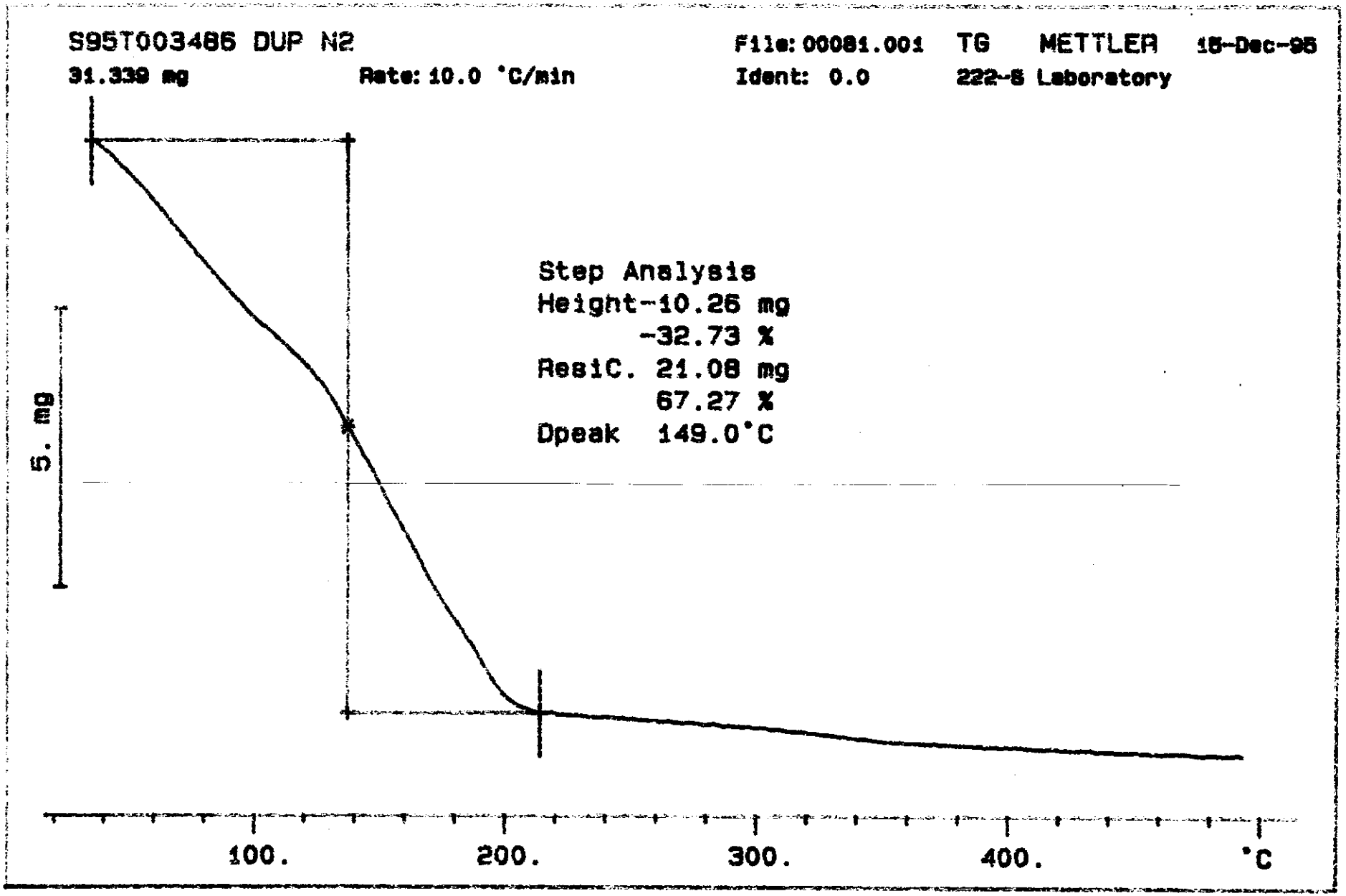


BEST AVAILABLE COPY




S95T003486 N2
43.785 mg
Rate: 10.0 °C/min
File: 00079.001
TG
METTLER
15-Dec-95
Ident: 0.0
222-S Laboratory
Step Analysis
Height-14.63 mg
-33.42 %
ResiC. 29.13 mg
66.53 %
Dpeak 155.0°C
5. mg
100.
200.
300.
400.
°C

BEST AVAILABLE COPY



LABCORE Data Entry Template for Worklist# 4419

Analyst: ADP **Instrument:** TGA01 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-1

Worklist Comment: Please run BY-110 TGA under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	LIQUID	59.74	59.58*	N/A	%
95000171	BY-110	2	SAMPLE	S95T003574	0		TGA-01	LIQUID	N/A	36.96		%
95000171	BY-110	3	DUP	S95T003574	0		TGA-01	LIQUID	36.96	39.65	N/A	%

Final page for worklist # 4419

BD Valenzuela for ADP
Analyst Signature **Date**

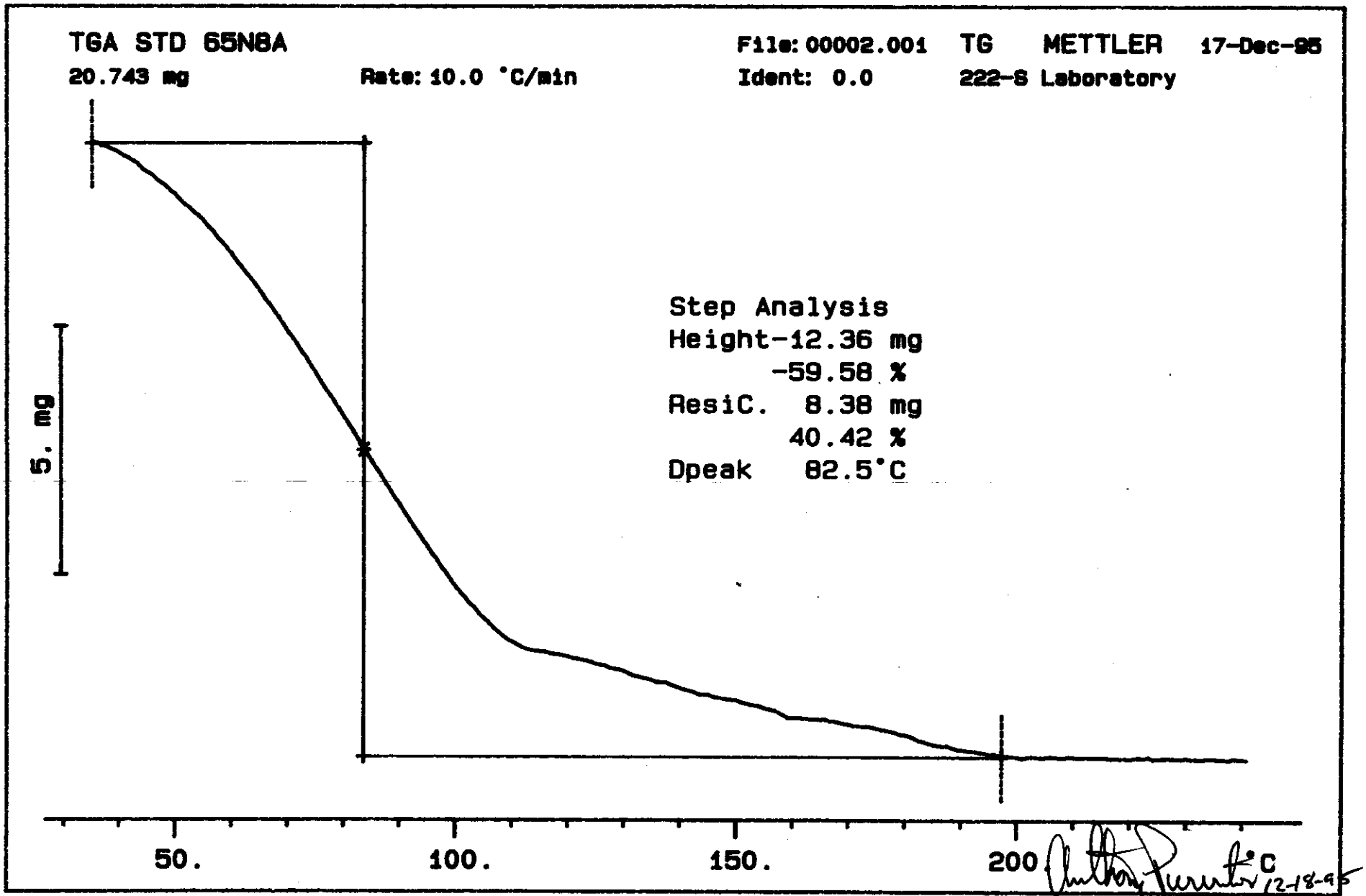
Analyst Signature **Date**

Verified by Blandina Valenzuela 12/20/95

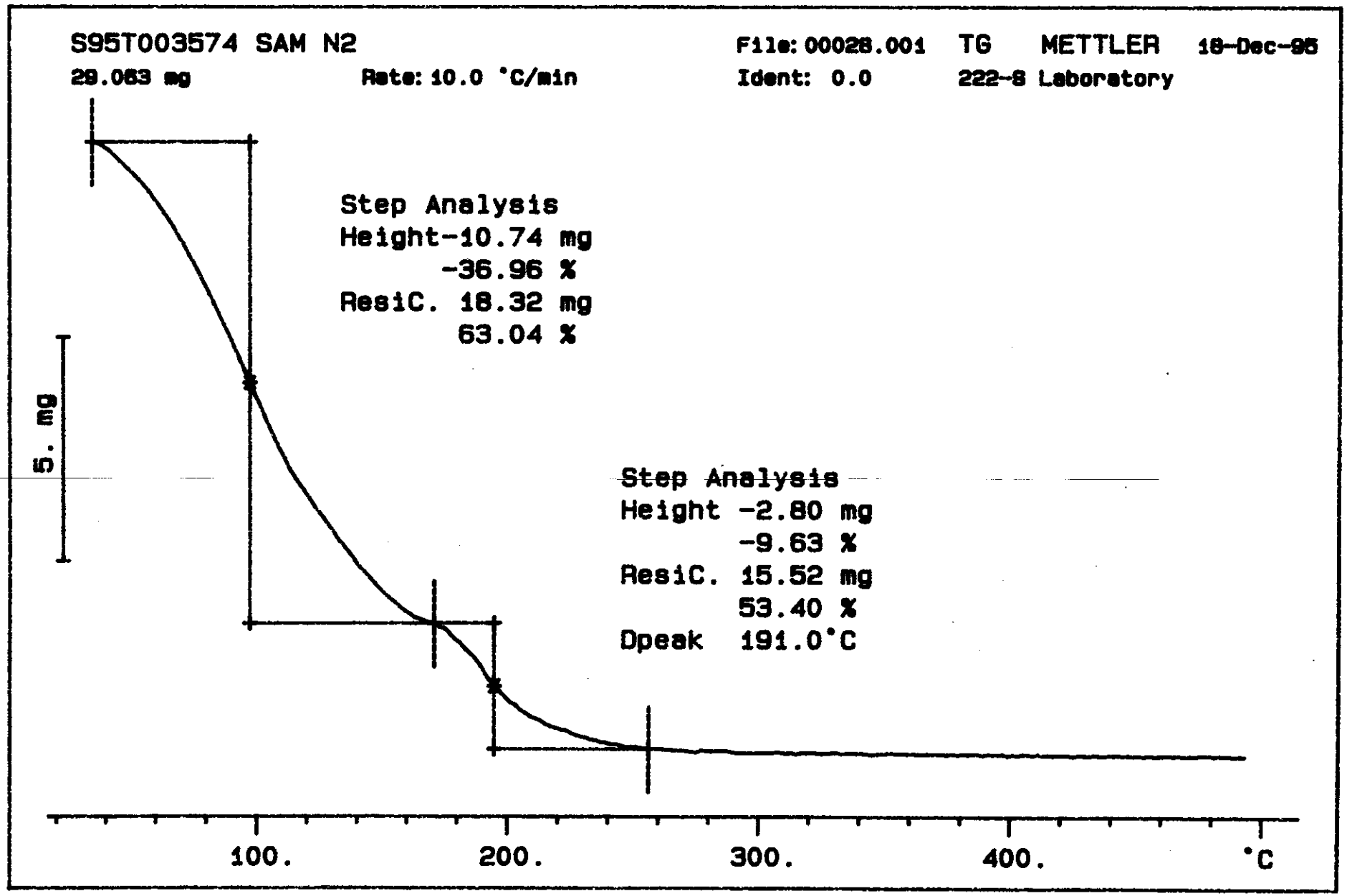
Data Entry Comments: Sample produced a second weight loss step of 9.63% which ended at 280°C.

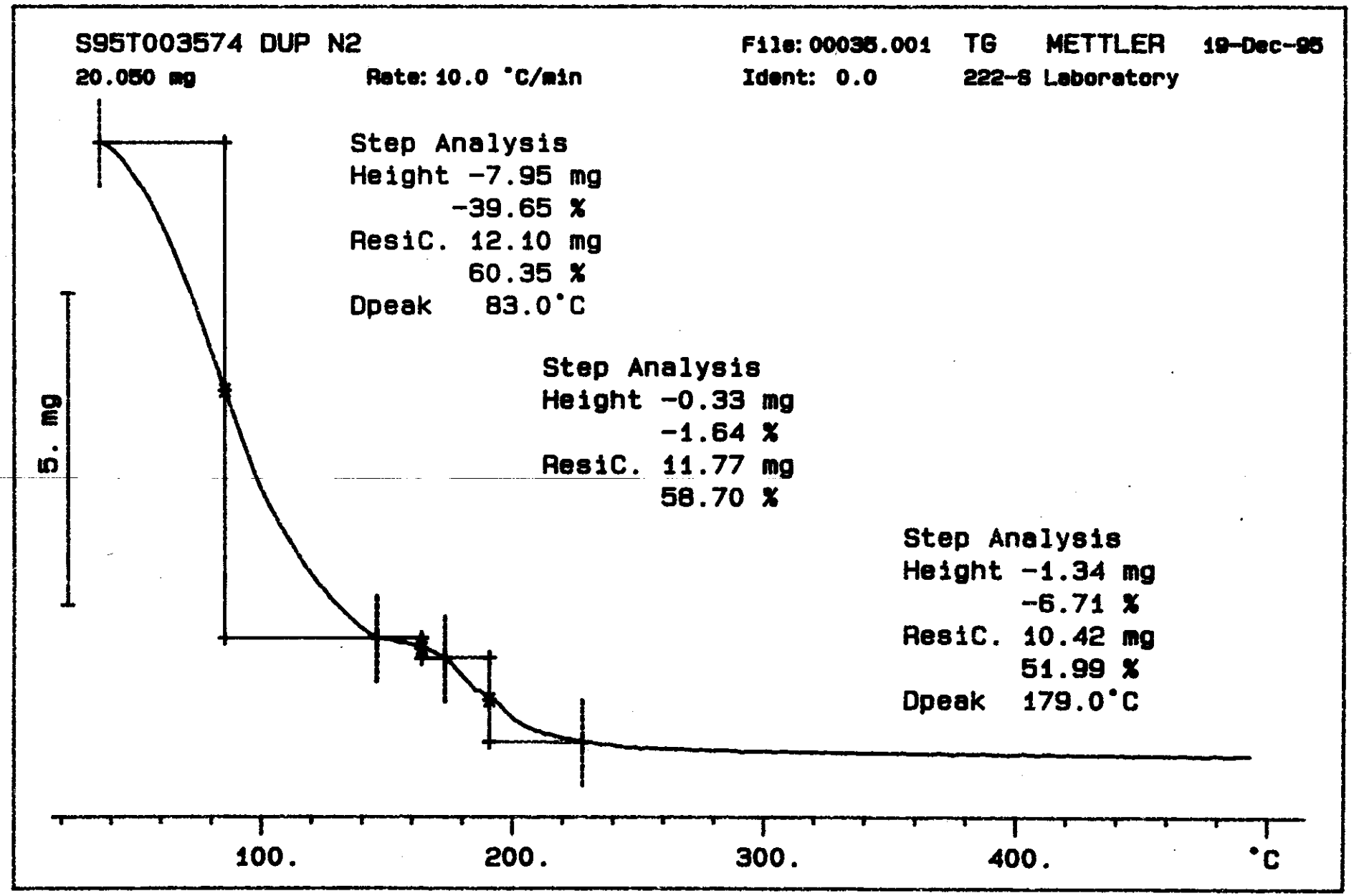
Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES 883 TO 886.



12-18-95


S95T003574 SAM N2
29.063 mg
Rate: 10.0 °C/min
File: 00028.001
Ident: 0.0
TG
METTLER
18-Dec-95
222-S Laboratory
Step Analysis
Height-10.74 mg
-36.96 %
ResiC. 18.32 mg
63.04 %
Step Analysis
Height -2.80 mg
-9.63 %
ResiC. 15.52 mg
53.40 %
Dpeak 191.0°C
5. mg
100.
200.
300.
400.
°C


S95T003574 DUP N2
20.050 mg
Rate: 10.0 °C/min
File: 00036.001
Ident: 0.0
TG
METTLER
222-S Laboratory
19-Dec-95
Step Analysis
Height -7.95 mg
-39.65 %
ResiC. 12.10 mg
60.35 %
Dpeak 83.0°C
Step Analysis
Height -0.33 mg
-1.64 %
ResiC. 11.77 mg
58.70 %
Step Analysis
Height -1.34 mg
-6.71 %
ResiC. 10.42 mg
51.99 %
Dpeak 179.0°C
5. mg
100.
200.
300.
400.
°C

THE FOLLOWING ANALYSES ARE INCLUDED IN THE DATA PACKAGE BUT THE RESULTS HAVE NOT BEEN REPORTED IN THE FINAL SUMMARY REPORTS.

LABCORE Data Entry Template for Worklist# 2260

Analyst: DCD **Instrument:** TGA01 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B0

Worklist Comment: B110 TGA.JMF

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	TEST	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID	59.74	59.87	N/A	%
95000116	BY-110	2	SAMPLE	S95T001560	0		TGA-01	SOLID	N/A	33.46		%
95000116	BY-110	3	DUP	S95T001560	0		TGA-01	SOLID	33.46	34.84	N/A	%

Final page for worklist # 2260

David C Dunham 9-5-95
Analyst Signature **Date**

[illegible] 9-7-95
Analyst Signature **Date**

Verified 9/7/95 J. M. Sye

DATA NOT USED IN PACKAGE

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

SIGNATURE BELOW REPRESENTS CHEMICAL TECHNOLOGIST/CHEMIST THAT COMPLETED/VERIFIED THE CALIBRATION/ANALYSIS ON PAGES _____ TO _____.

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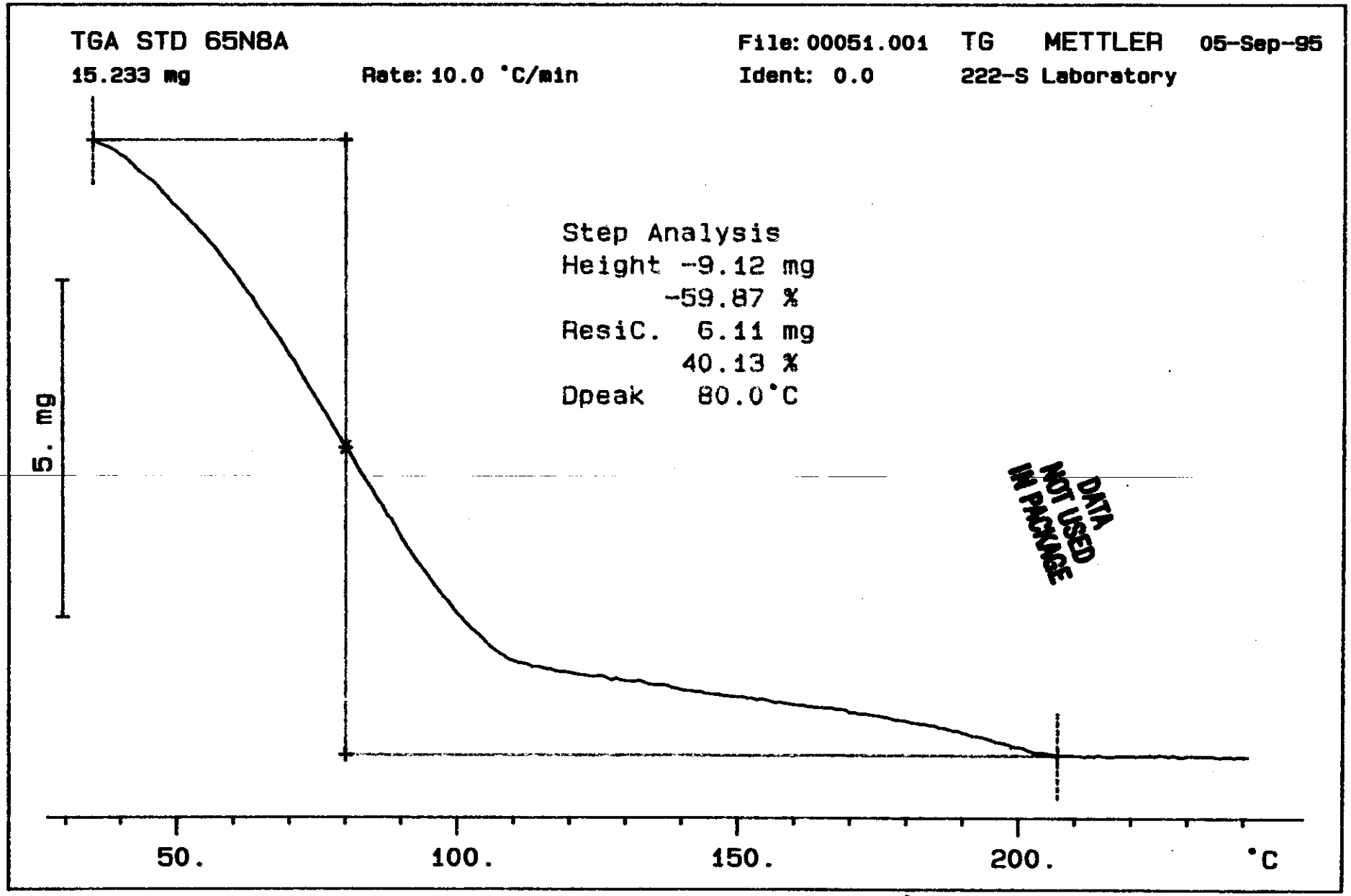

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David C Dunham 9-5-95

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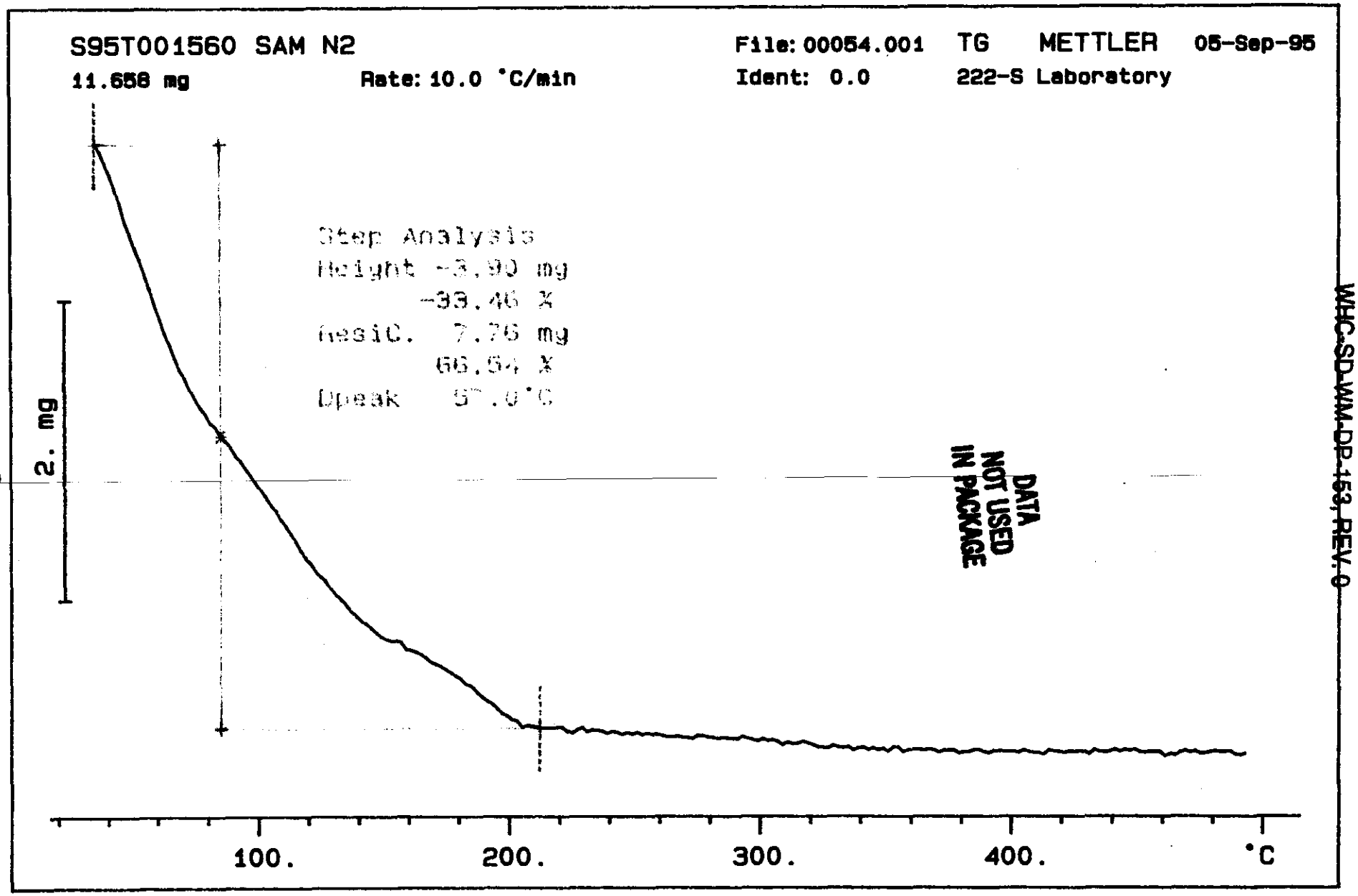

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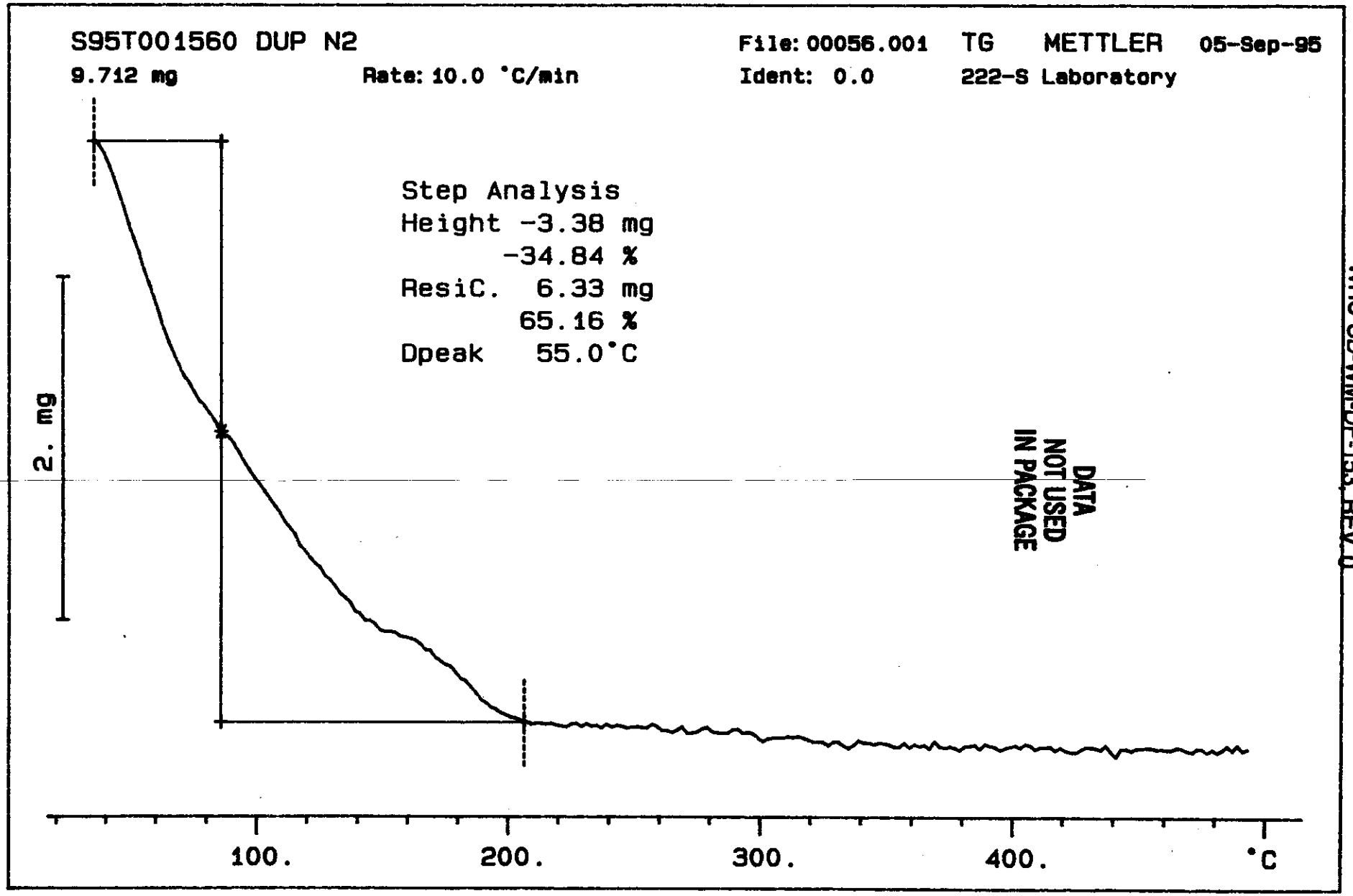

DATA NOT USED IN PACKAGE

WHC-SD-WM-DP-153, REV. 0

890

LABCORE Data Entry Template for Worklist# 2163

Analyst: DCD **Instrument:** TGA0 1 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1 STD				TGA-01	SOLID	59.74	60.60	N/A	%
95000116	BY-110	2 SAMPLE	S95T001559	0		TGA-01	SOLID	N/A	33.27		%
95000116	BY-110	3 DUP	S95T001559	0		TGA-01	SOLID	33.27	32.03	N/A	%

Final page for worklist # 2163

See attached for signatures GMF 9/6/95
Analyst Signature **Date**

Verified 9/7/95 J. M. Fuge

[signature] 9-7-95
Analyst Signature **Date**

DATA
NOT USED
IN PACKAGE

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

LABCORE Data Entry Template for Worklist# 2163

Analyst: DCD **Instrument:** TGA0 ~~WC41534~~ 1 GMF 9/5/95 **Book #** 65N8A

Method: LA-560-112 Rev/Mod B-0

Worklist Comment: Please run BY-110 TGAs under N2. bdv

GROUP	PROJECT	S	TYPE	SAMPLE#	R	A	-------TEST------	MATRIX	ACTUAL	FOUND	DL	UNIT
		1	STD				TGA-01	SOLID			N/A	%
95000116	BY-110	2	SAMPLE	S95T001559	0		TGA-01	SOLID	N/A			%
95000116	BY-110	3	DUP	S95T001559	0		TGA-01	SOLID			N/A	%
95000116	BY-110	4	SAMPLE	S95T001560	0		TGA-01	SOLID	N/A			%
95000116	BY-110	5	DUP	S95T001560	0		TGA-01	SOLID			N/A	%

Final page for worklist # 2163

David A Dunham 9-5-95
Analyst Signature **Date**

Analyst Signature **Date**

DATA NOT USED IN PACKAGE

Data Entry Comments:

Units shown for QC (SPK & STD) may not reflect the actual units. DL = Detection Limit, S = Worklist Slot Number, R = Replicate Number, A = Aliquot Code.

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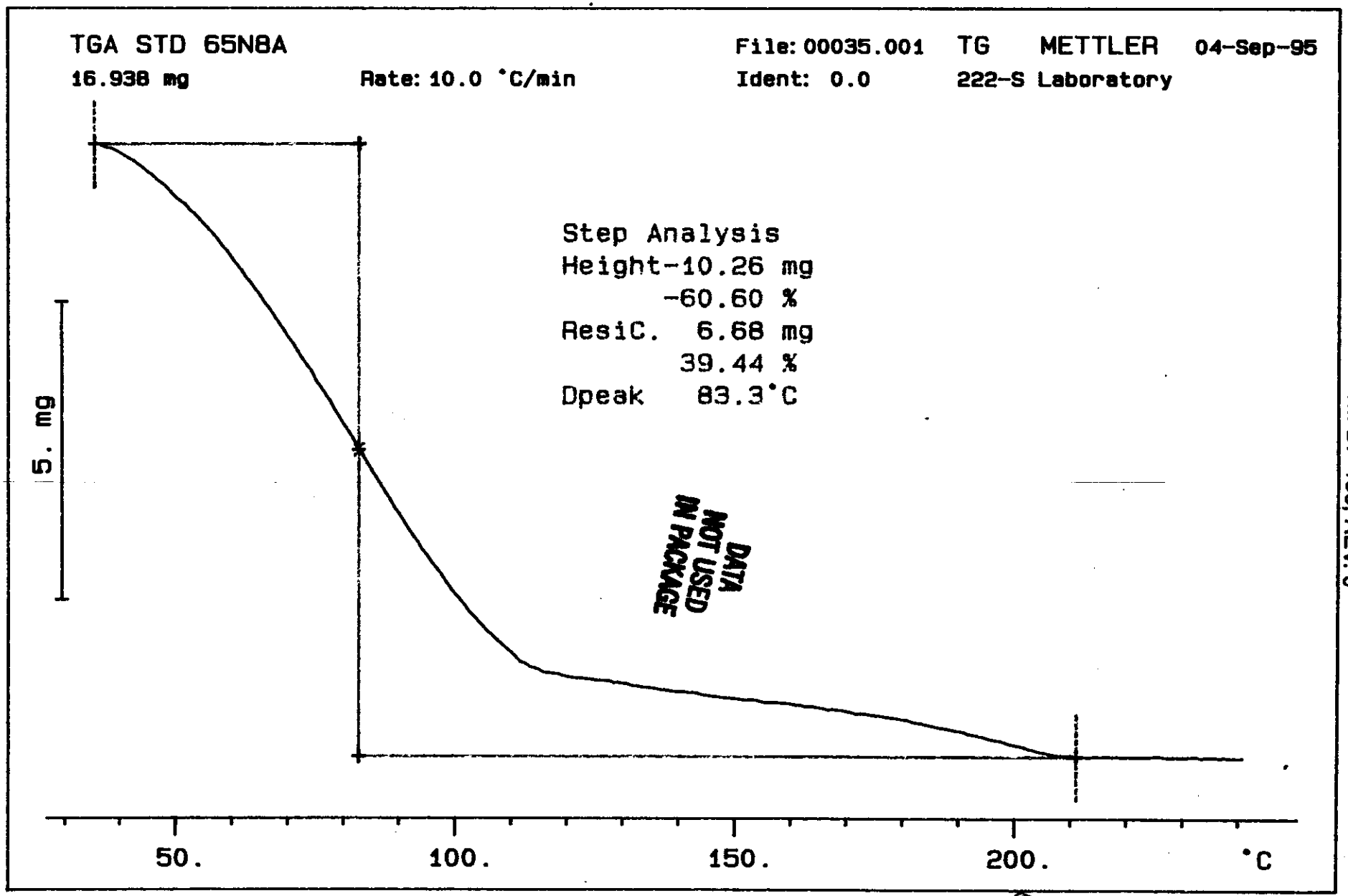

DATA NOT USED IN PACKAGE

David C. Dunham 9-4-95

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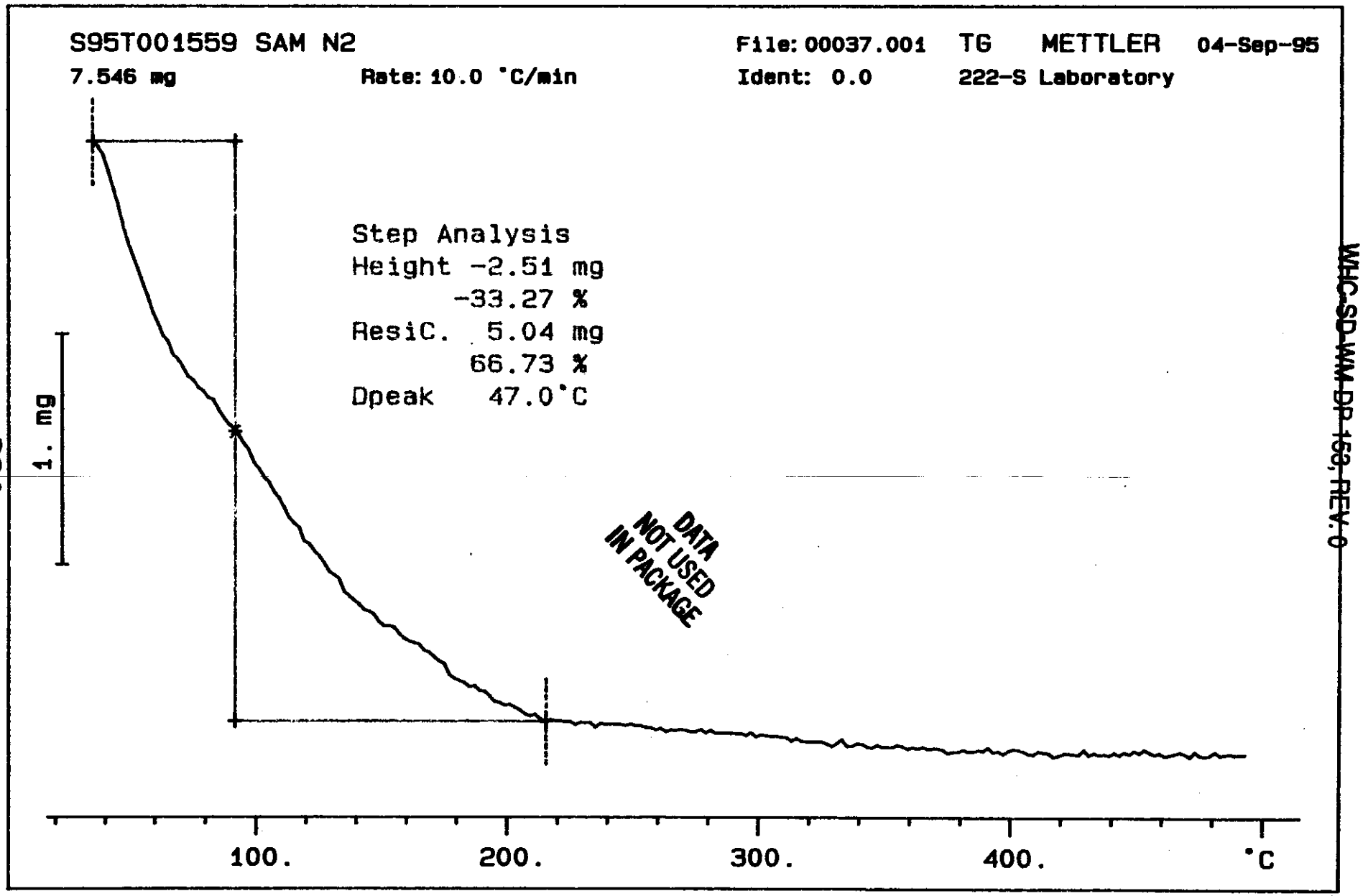

894

WHC-SD-WM-DP-150, REV.0

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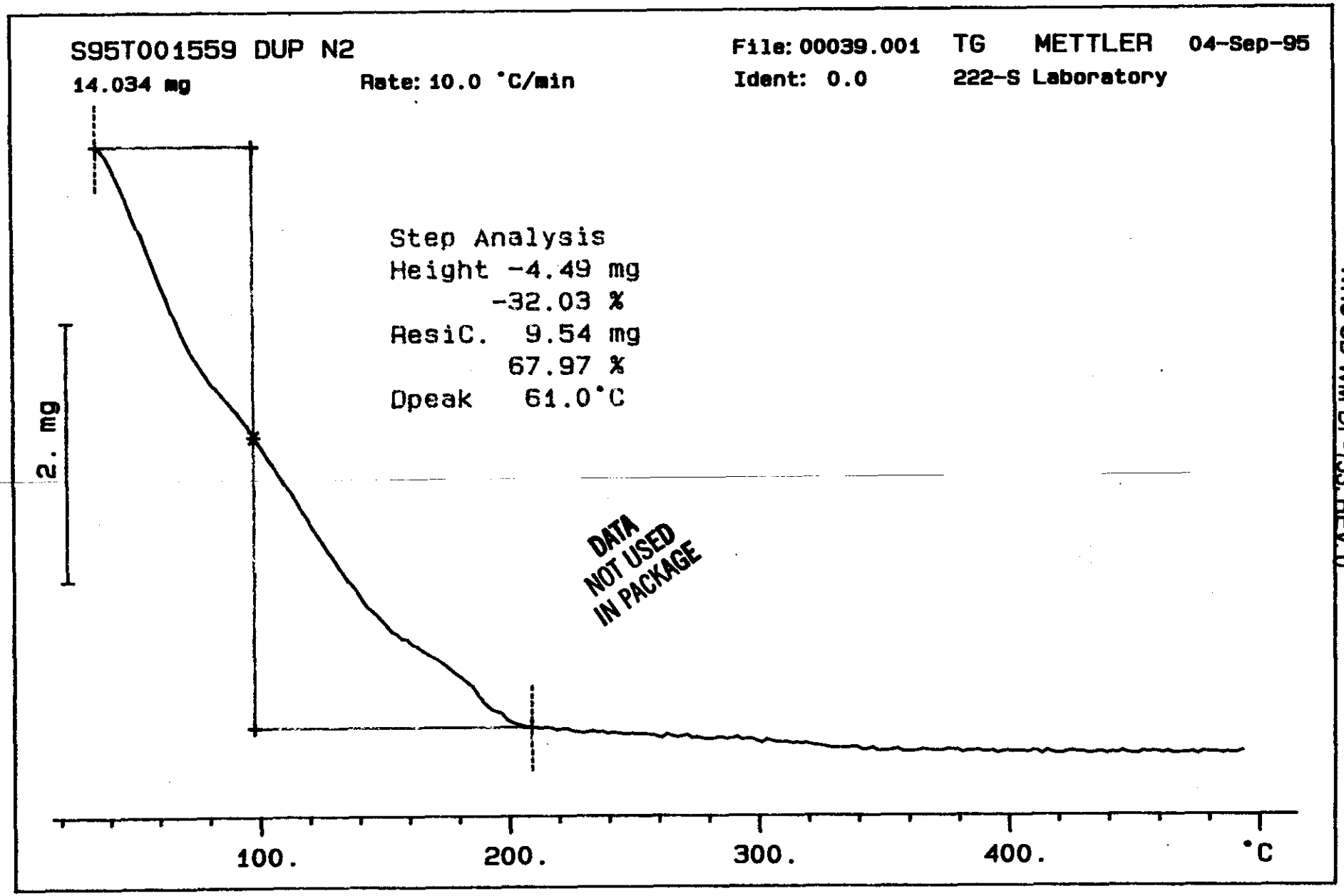

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To Distribution	From Characterization Plans, Coordination and Reports	Page 1 of 1
		Date: 12/11/95
Project Title/Work Order WHC-SD-WM-DP-153, Rev. 0, "45-Day Safety Screening Results for Tank 241-BY-110, Rotary Mode Cores 92, 95, 101, 103, 106, 107, 109, 96 and 113"		EDT NO.: EDT-613483
		ECN NO.: N/A

Name	MSIN	Text With all Attach	EDT/ECN ONLY
Pacific Northwest Laboratory			
J. R. Gormsen	K7-28		X
S. J. Harris	K7-22	X	
K. L. Silvers	P7-27		X
U.S. Department of Energy, RL			
C. A. Babel	S7-54	X	
Westinghouse Hanford Company			
J. N. Appel	G3-21		X
H. Babad	S7-30	X	
G. D. Forehand	S7-31		X
V. W. Hall	T6-03	X	
D. C. Hetzer	S6-31		X
L. Jensen	R2-12	X	
N. W. Kirch	R2-11	X	
M. J. Kupfer	H5-49	X	
J. E. Meacham	S7-15	X	
P. M. Morant	H4-25	X	
K. L. Powell	T6-04		X
R. D. Schreiber	R2-12	X	
L. W. Shelton	H5-49	X	
B. C. Simpson	R2-12		X
J. A. Voogd	H5-03		X
Central Files	A3-88	2	
EDMC	H6-08	X	
LTIC	T6-03		X
TCRC	R2-12	X	
TFIC (Tank Farm Information Center)	R1-20		X
Washington State Department of Ecology			
Single-Shell Tank Unit Manager			
A. B. Stone	B5-18	X	
U. S. Department of Energy			
Jim Poppiti 12800 Middlebrook Rd. Trevion II, EM-36 Germantown, MD 20874			X
Los Alamos Technical Associates			
T. T. Tran 309 Bradley Blvd. Richland, WA 99352		X	