

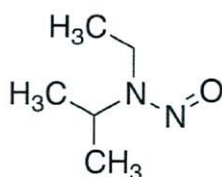
Certificate of Analysis

N-Ethyl-N-nitroso-2-propanamine, NEIPA.

Product Code:	BS10528.
Description:	N-Ethyl-N-nitroso-2-propanamine, NEIPA.
Synonym:	1-Methyl-N-nitrosodiethylamine.
Pack:	500 mg.
CAS NO.:	16339-04-1.
Mol. Weight:	116.16 g/mol.
Mol. Formula:	C ₅ H ₁₂ N ₂ O.
MDL Number:	MFCD01730482.
Melting point:	-93.9 °C.
Boiling point:	65 °C.
Density:	1.0551 g/cm ³ .
Solubility:	Soluble in chloroform.
Storage:	Store at 2-8°C Refrigerator.
Batch No:	BS10528/03.
Manufacture Date:	03/03/2026.
Expiry Date:	02/03/2029.

Test	Specification	Measured Values
Appearance:	Colourless to Light Yellow Oil.	Colourless to Light Yellow Oil.
Identification by NMR:	Confirms to the structure.	Confirms to the structure.
Identification by MASS:	Confirms to the structure.	Confirms to the structure.
Identification by IR:	Confirms to the structure.	Confirms to the structure.
Purity by GC:	≥95%.	99.47%.
TGA:	<5%.	0%.
Potency:	-	99.47% - 0% = 99.47%.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




N.S. Mallika.
Quality Control.

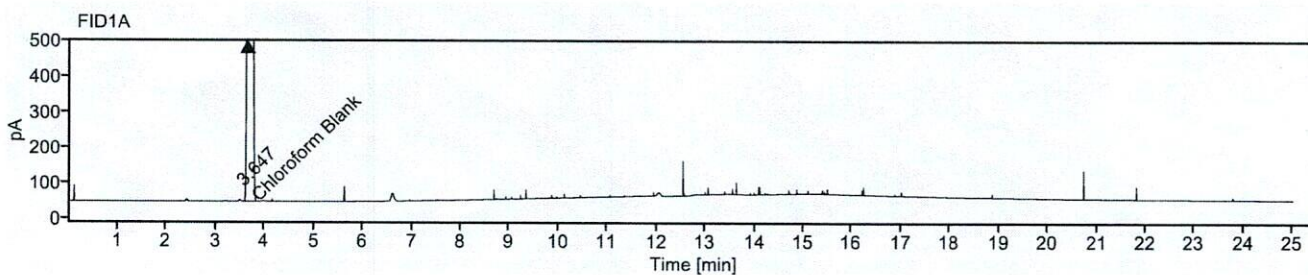

D. Manga Raju.
Quality Assurance.

GC Report

Injection Data File Name	001.dx	Instrument Name	BS/IN/GC.01
Injection Acq Method Name	General Method.amx	Sample Name	Chloroform Blank
Acquired By	SYSTEM	Acquired on	2026-03-04 10:40:00+05:30
Modified By	SYSTEM	Modified on	2026-03-04 11:49:04+05:30
Injection Volume	0.200	Vial No.	101
Injection Column Name		Injection Column Length	
Injection Column Particle Size		Injection Column Diameter	

Data Path C:\CDSProjects\March\Results\BS-IN-GC.01-2026-03-04 10-38-20+05-30.rslt

Chromotogram



Signal: FID1A

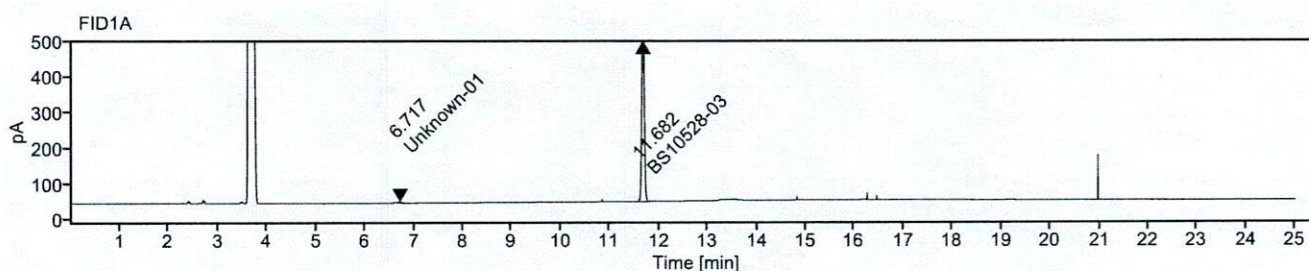
RT [min]	Name	Area	Height	Area%	Peak Relative Ret Time
3.647	Chloroform Blank	57651.1034	13023.8817	100.00	1.000
	Sum	57651.1034		100.00	

GC Report

Injection Data File Name	002.dx	Instrument Name	BS/IN/GC.01
Injection Acq Method Name	General Method.amx	Sample Name	BS10528-03
Acquired By	SYSTEM	Acquired on	2026-03-04 11:07:57+05:30
Modified By	SYSTEM	Modified on	2026-03-04 11:49:04+05:30
Injection Volume	0.200	Vial No.	102
Injection Column Name		Injection Column Length	
Injection Column Particle Size		Injection Column Diameter	

Data Path C:\CDSProjects\March\Results\BS-IN-GC.01-2026-03-04 10-38-20+05-30.rslt

Chromotogram



Signal: FID1A

RT [min]	Name	Area	Height	Area%	Peak Relative Ret Time
6.717	Unknown-01	10.7185	2.8231	0.53	0.575
11.682	BS10528-03	2026.4365	564.7707	99.47	1.000
	Sum	2037.1550		100.00	

Analysed By:  04/03/2026

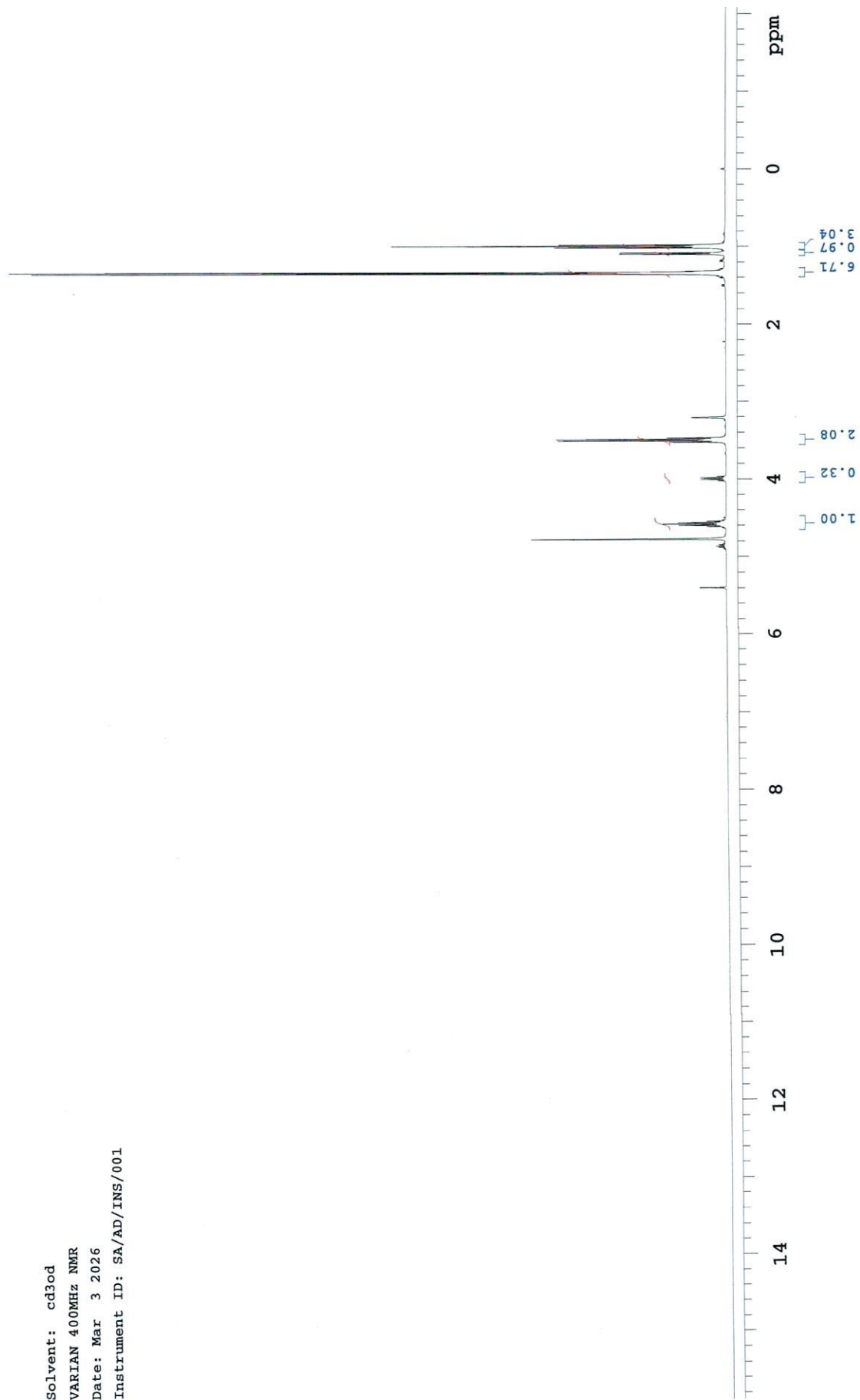
Printed: 04-03-2026 11:51:12+05:30

Printed By: SYSTEM

Checked By: 
Date: 04/03/2026

Sample Code: BS10528-03

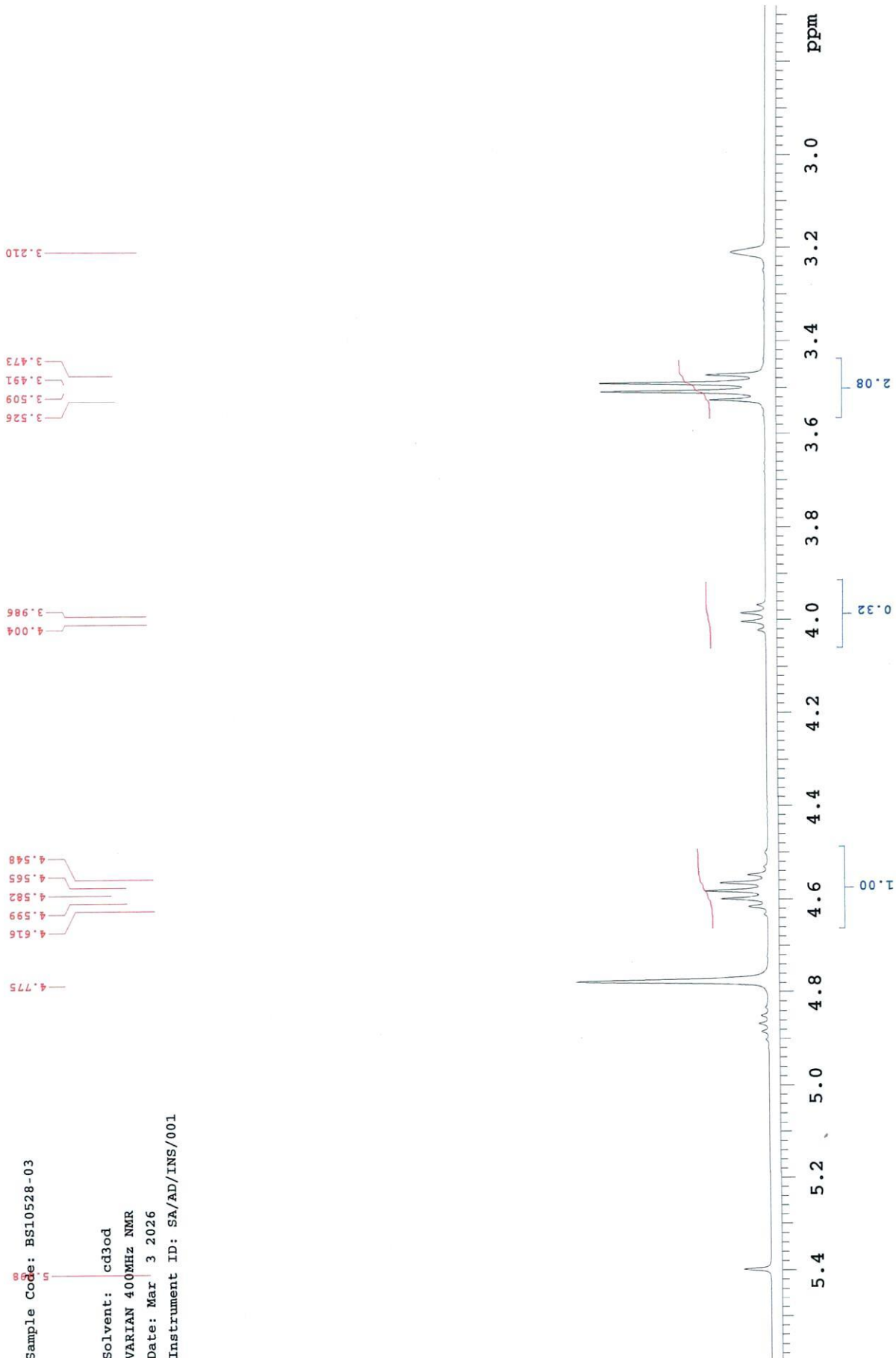
Solvent: cd3od
VARIAN 400MHz NMR
Date: Mar 3 2026
Instrument ID: SA/AD/INS/001



Plotname: BS10528-03_PROTON_20260303_01_plot01

DMN
03/03/2026

DMN
03/03/2026



Sample Code: BS10528-03

Solvent: cd3od

VARIAN 400MHz NMR

Date: Mar 3 2026

Instrument ID: SA/AD/INS/001

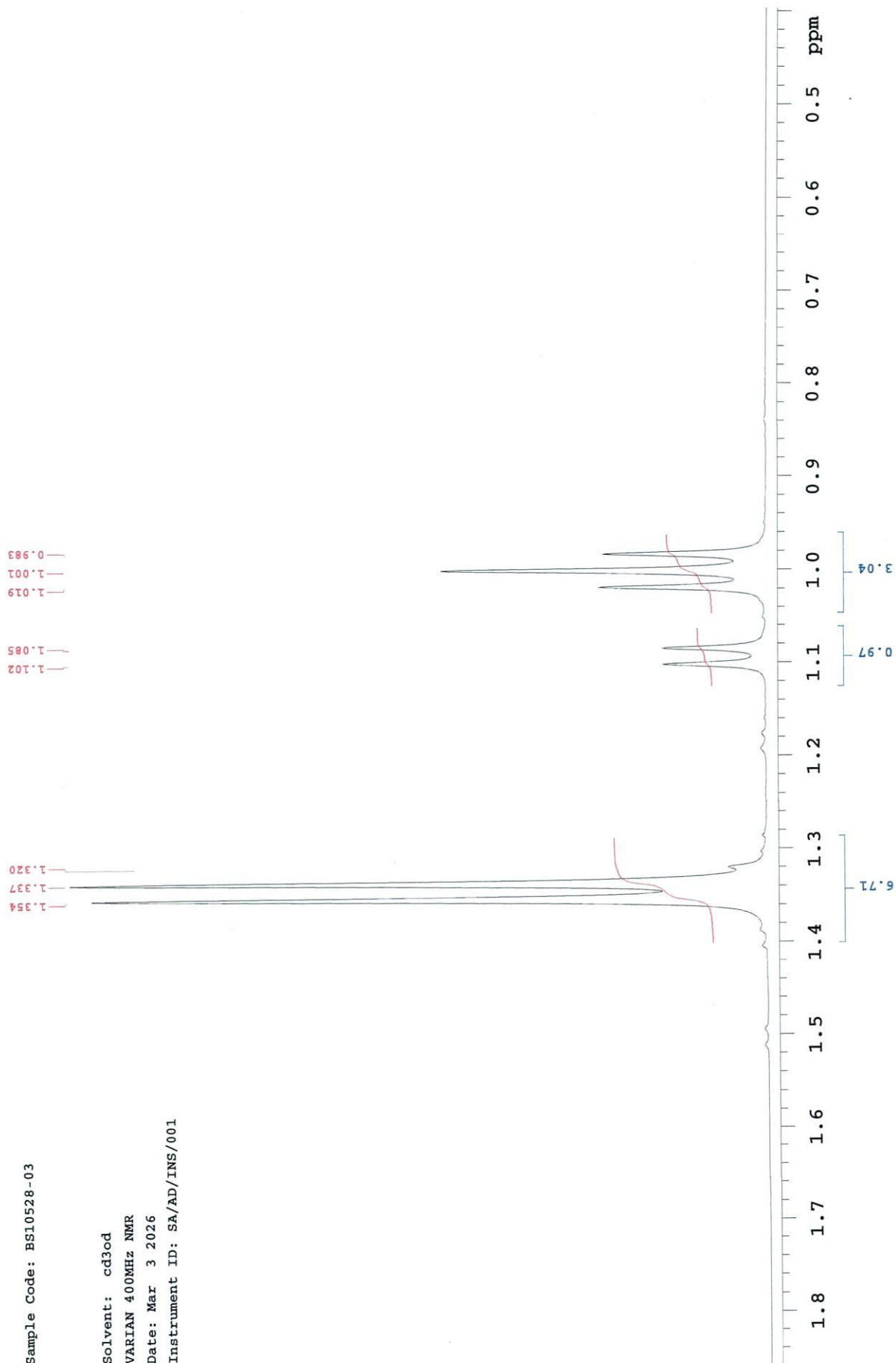
Plotname: BS10528-03_PROTON_20260303_01_plot02

DMN
03/03/2026

03/03/2026

Sample Code: BS10528-03

Solvent: cd3od
VARIAN 400MHz NMR
Date: Mar 3 2026
Instrument ID: SA/AD/INS/001



Plotname: BS10528-03_PROTON_20260303_01_plot03

DMN
03/03/2026

03/03/2026

INDEX	FREQUENCY	PPM	HEIGHT
1	2157.5	5.398	4.8
2	1908.7	4.775	34.6
3	1844.9	4.616	3.5
4	1838.1	4.599	8.5
5	1831.3	4.582	11.3
6	1824.5	4.565	8.6
7	1817.7	4.548	3.6
8	1600.4	4.004	4.5
9	1593.2	3.986	4.6
10	1409.5	3.526	10.0
11	1402.4	3.509	29.9
12	1395.2	3.491	30.1
13	1388.2	3.473	10.6
14	1283.2	3.210	6.2
15	541.3	1.354	123.0
16	534.5	1.337	127.1
17	527.7	1.320	7.2
18	440.4	1.102	18.9
19	433.6	1.085	18.8
20	407.3	1.019	30.4
21	400.1	1.001	59.3
22	393.1	0.983	29.7

expl PROTON

SAMPLE PRESATURATION
date Mar 3 2026 satmode n
solvent cd3od wet n
file /home/SPARK/d- SPECIAL
ata/2026/Mar/BS105~ temp not used
28-03 20260303_01/~ gain 32
BS10528-03_PROTON ~ spin 20
20260303_01.fid hst 0.008
ACQUISITION pw90 13.700
sw 7183.9 alfa 10.000
at 4.000
np 57472 il n
fb 4000 in n
bs 2 dp y
dl 1.000 hs nn
nt 128 PROCESSING
ct 6 lb 1.00
tn TRANSMITTER H1 fn not used
tn H1 DISPLAY
sfrq 399.689 sp -831.6
tof 799.4 wp 7183.7
tpwr 59 rfl 831.8
pw 6.850 rfp 0
DECOUPLER rp 70.1
dn C13 lp 0
dof 0 PLOT
dm nnn wc 250
decwave W40_GATB-0~ sc 0
12 vs 83
dpwr 35 th 3
dmf 29412 ai cdc ph

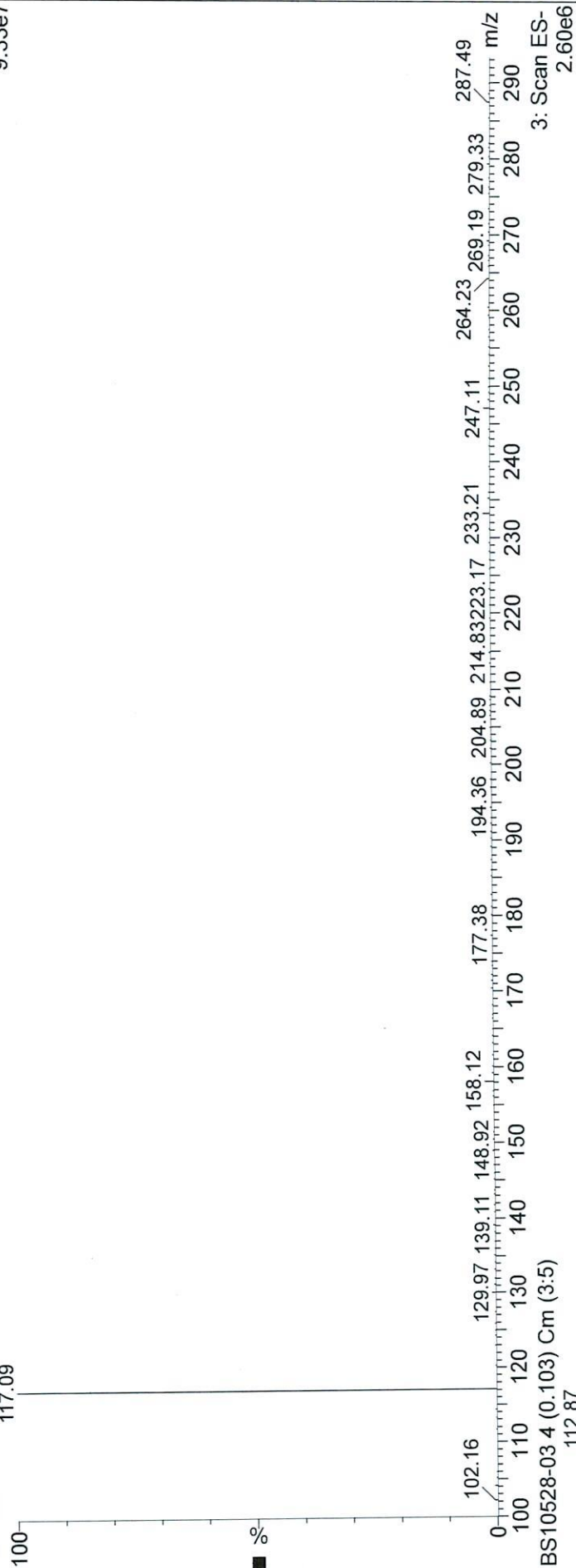
Plotname: BS10528-03_PROTON_20260303_01_plot04

DMN
03/03/2026

10/10/2026

Vial Position: 2:D,5
03-Mar-2026 20:03:40
2: Scan ES+
9.33e7

SAMPLE NAME: BS10528-03
INSTRUMENT ID: SA/AD/INS/042
BS10528-03 4 (0.094) Cm (4:5)



BS10528-03 4 (0.103) Cm (3:5)
112.87

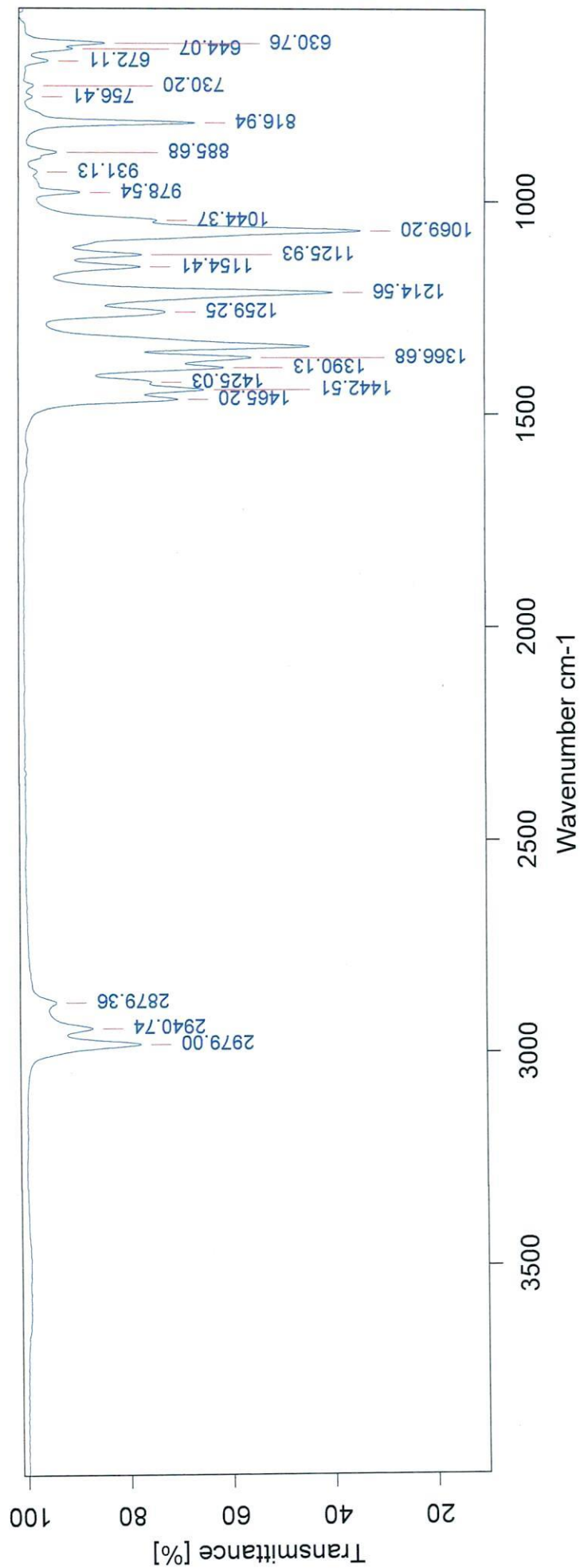


DMR
03/03/2026

Antid 2026/02/26

INFRARED SPECTRUM

Instrument ID No: SA/AD/INS/019



Path/File Name: D:\2026\MARCH-2026\BS10528-03.0

Sample Name: BS10528-03

Lot No./Batch No: BS10528-03

Date & Time: 3/3/2026, 9:18:36 PM

Experiment: MARCH-2026.XPM

Resolution: 2

Sample Scans: 16

Frequency Range: 4000 to 550

03/03/2026

3/3/2026 9:20:04 PM

DMN
03/03/2026

"D:\2026\MARCH-2026\BS10528-03.0" 1

Peak Table TR

Peak Picking

Peak Picking	Values
Method:	Standard
Searched for minima:	Yes
Number of peaks:	26
Sensitivity > [%]:	10.000000
From:	4000.000000
to:	400.000000
Absolute peak height >	0.000000
Relative peak height < [%]	0.000000
Absolute peak height <	0.000000

Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold < Shoulder
2979.0006	0.775	0.225	26.4015	33.367382
1442.5137	0.648	0.225	32.1605	31.310801
1390.1342	0.609	0.083	9.0791	11.100071
1366.6776	0.556	0.216	16.6957	30.863979
1340.1316	0.442	0.518	25.0999	76.173592
1259.2464	0.723	0.155	20.1783	17.522352
1214.5574	0.397	0.547	23.5255	80.781700
1154.4072	0.772	0.143	14.1384	18.991653
1125.9274	0.769	0.143	13.1589	19.947340
1069.1974	0.343	0.667	29.6055	97.662537
978.5443	0.890	0.087	11.3075	12.597192
816.9397	0.666	0.332	12.9255	48.791748
630.7611	0.842	0.167	24.0214	23.464148
2940.7369	0.869	0.050	14.1868	23.488958
2879.3562	0.940	0.015	12.9653	11.552882
1465.2047	0.698	0.074	10.2230	18.930073
1390.1342	0.609	0.083	9.0791	17.860748
1425.0257	0.750	0.026	47.2550	0.875876
1069.1974	0.343	0.667	29.6055	105.174019
1044.3721	0.740	0.014	48.9980	1.223729
931.1338	0.973	0.011	62.7314	7.710462

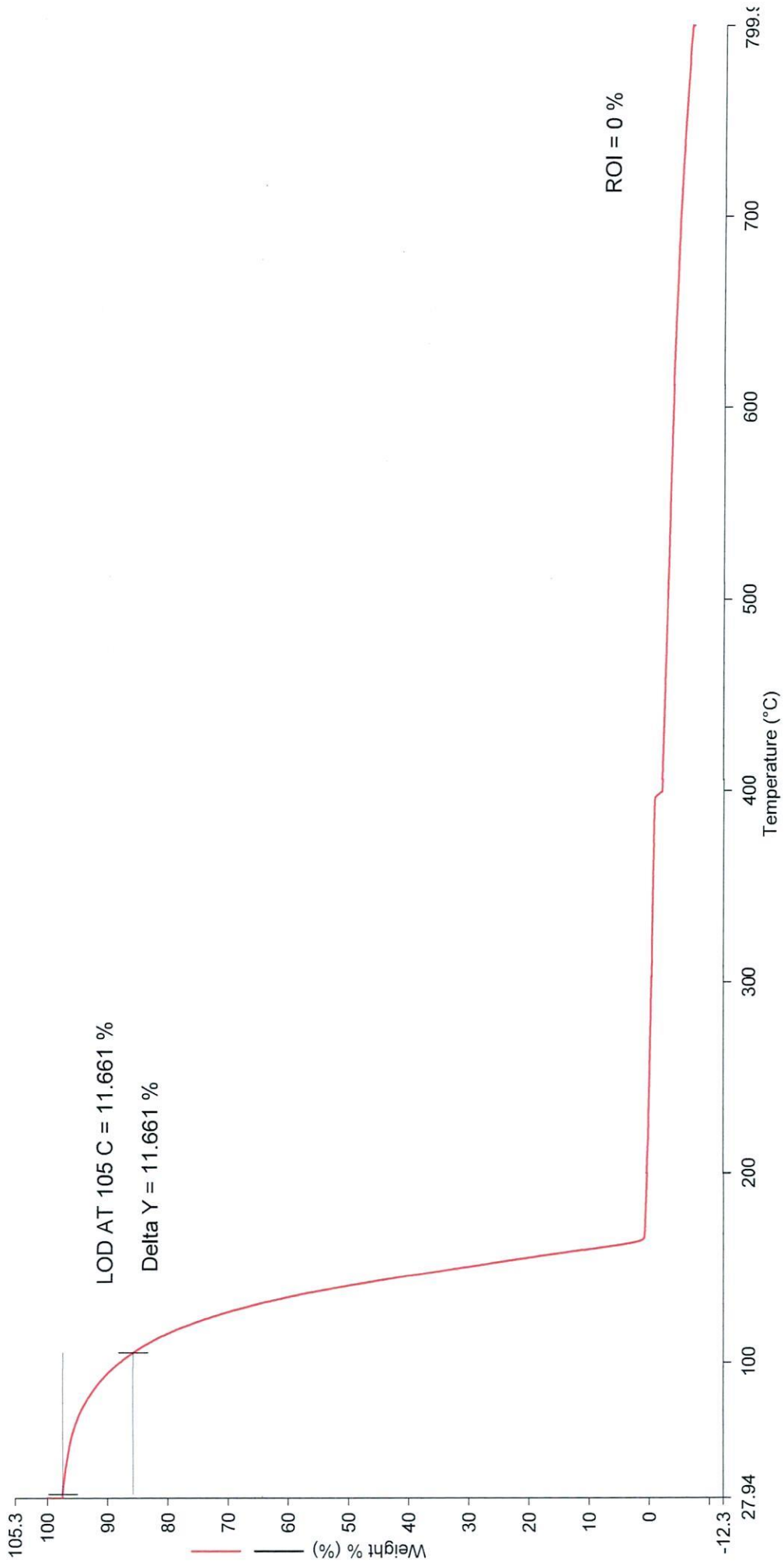
Peak Picking Values

Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold < Shoulder
885.6769	0.936	0.057	15.6675	16.862539
756.4083	0.983	0.013	10.8715	3.641492
730.1978	0.981	0.019	13.7657	34.617352
672.1126	0.952	0.036	11.3559	21.187626
644.0697	0.905	0.017	22.5038	7.542857

D:\2026\MARCH-2026\BS10528-03.0 BS10528-03 BS10528-03

Filename: D:\2026\MARCH-2026\BRIT\BS10528-03.t6d
Data Collected: 3/4/2026 9:46:02 AM
Operator ID: pushpa
Sample ID: BS10528/03
Sample Weight: 3.620 mg
Comment: BS10528/03

SA/AD/INS/022



- 1) Hold for 1.0 min at 30.00°C
- 2) Heat from 30.00°C to 800.00°C at 20.00°C/min
- 3) Hold for 1.0 min at 800.00°C

3/4/2026 12:58:11 PM

Signature: *[Signature]* Date: 04/03/2026

Signature: *[Signature]* Date: 04/03/2026