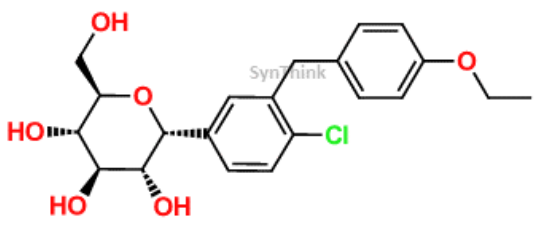


CERTIFICATE OF ANALYSIS

PRODUCT DETAILS:	STRUCTURE:
Product Name : Dapagliflozin alfa-Isomer; 1R-Dapagliflozin Synonym : (2R,3R,4R,5S,6R)-2-(4-Chloro-3-(4-ethoxybenzyl)phenyl)-6-(hydroxymethyl)tetrahydro-2H-pyran-3,4,5-triol Mol. Formula : C ₂₁ H ₂₅ ClO ₆ Mol. Weight : 408.87 CAS Number : 1373321-04-0 Batch Number : SMC1-25-40 Catalog Number : SA15008	

ANALYTICAL RESULTS:		
Test	Specification	Result
HPLC Purity	NA	97.46 %
NMR, 13C NMR	Conforms to structure	Conforms
MASS	Conforms to molecular weight	Conforms
IR	Conforms to structure	Conforms
Appearance	NA	White solid
Solubility	Soluble	Water, Methanol
TGA	Delta Y	2.695 %
Potency [#]	NA	94.83 %
[#] Potency Calculation: % Potency = (100 - weight loss by TGA) x HPLC Purity / 100		

Analysis Date:	25.04.2026	Storage Condition:	2-8°C, Under inert atmosphere
CoA Validity:	24.04.2028	Shipping condition:	The material is stable for shipping at room temperature.
Shipment date:	---	Document reference:	PO # ..

ORIGIN:	Synthetic, chemically synthesized at R&D of SynThink Research Chemicals, India.
Attachments:	HPLC, Mass, 1H NMR, 13C NMR, IR, TGA.
Note:	Please note that the impurity remains *stable at room temperature during transportation*. The 2°C to 8°C storage conditions are recommended only for long-term storage.

	Prepared By	Checked By	Approved By (QA)
Name	SMC	Mr. Shivaji Dhole	Mrs. Saylee Garud
Signature			
Date	28.07.2026	28.07.2026	28.07.2026

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info@synthinkchemicals.com



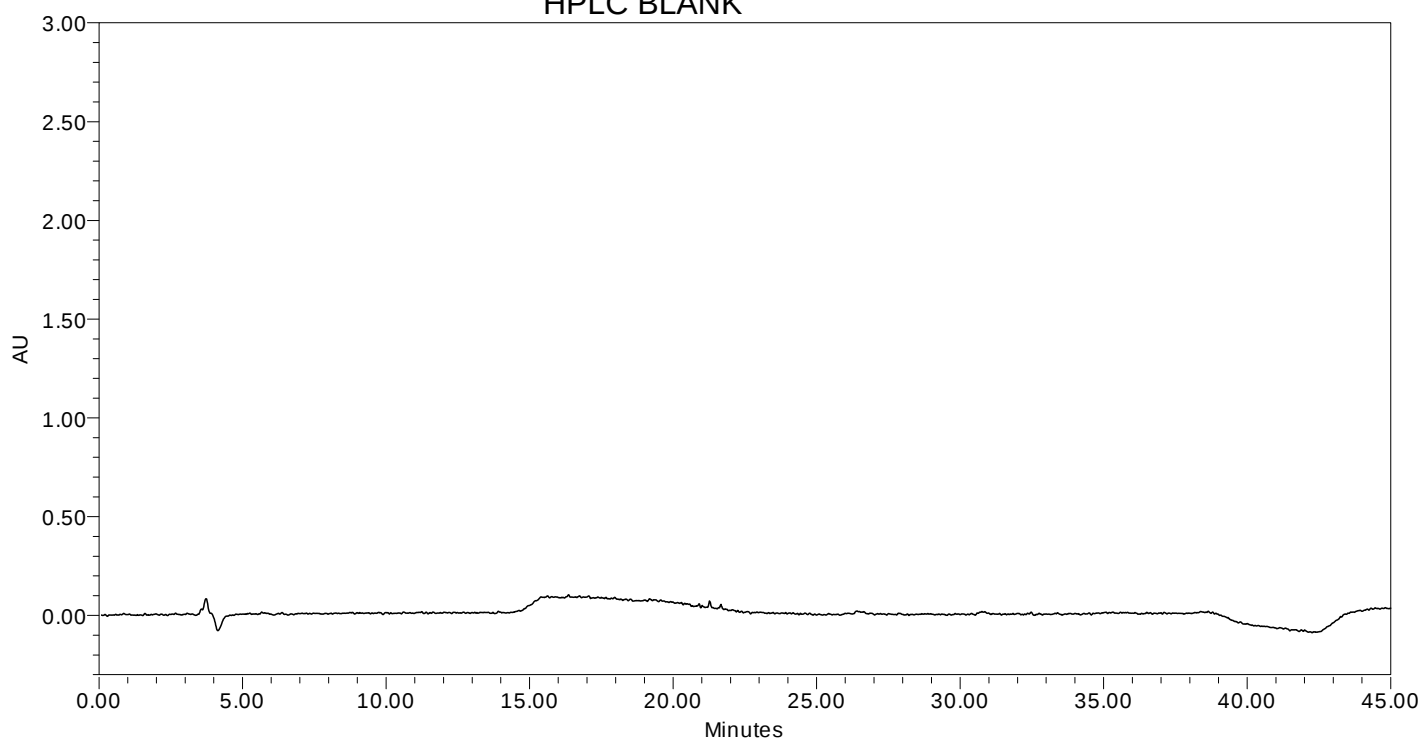
www.synthinkchemicals.com

SYNTHINK RESEARCH CHEMICALS

SAMPLE INFORMATION

Sample Name :	BLANK 24	Acquired By:	System
Sample Type :	Unknown	Sample Set Name:	240426_GN
Vial :	25	Acq. Method Set:	Dapagliflozin PR SRC
Injection # :	2	Processing Method	Default
Injection Volume :	10.00 ul	Channel Name:	220.0nm
Run Time :	45.0 Minutes	Proc. Chnl. Descr.:	W2996 PDA 220.0 nm (PDA
Date Acquired :	24-04-2026 PM 06:49:55 IST		
Date Processed :	25-04-2026 AM 09:49:15 IST		

HPLC BLANK

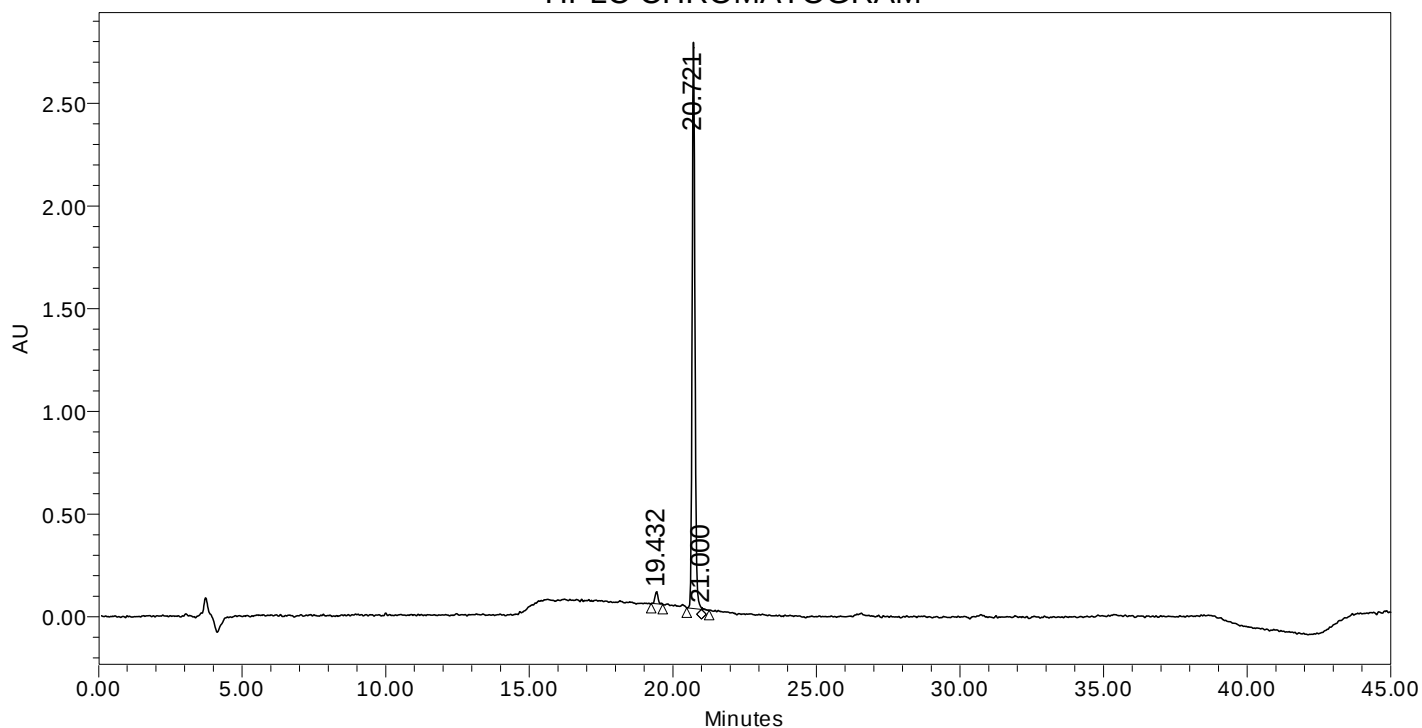


SYNTHINK RESEARCH CHEMICALS

SAMPLE INFORMATION

Sample Name :	SMC1-25-40	Acquired By:	System
Sample Type :	Unknown	Sample Set Name:	240426_GN
Vial :	26	Acq. Method Set:	Dapagliflozin PR SRC
Injection # :	1	Processing Method	Default
Injection Volume :	10.00 ul	Channel Name:	220.0nm
Run Time :	45.0 Minutes	Proc. Chnl. Descr.:	W2996 PDA 220.0 nm (PDA
Date Acquired :	24-04-2026 PM 07:36:01 IST		
Date Processed :	25-04-2026 AM 09:53:20 IST		

HPLC CHROMATOGRAM



	RT	Area	% Area	Height
1	19.432	438704	2.31	58216
2	20.721	18539260	97.46	2760548
3	21.000	43905	0.23	8669

LCMS REPORT

Data File : D:\DATA_MS\MARCH-2025\20-03-2025-002 2025-03-20 14-16-16\QC01-2503-0401.D

Sample Name : SMC1-25-40

=====

Acq. Operator : SYSTEM

Seq. Line : 3

Acq. Instrument : ALR-QC-LCMS

Location : 7

Injection Date : 3/20/2025 2:26:52 PM

Inj : 1

Inj Volume : 10.000 µl

Acq. Method : D:\data_ms\MARCH-2025\20-03-2025-002 2025-03-20 14-16-16\mass method.M

Last changed : 3/20/2025 2:16:16 PM by SYSTEM

Analysis Method : C:\CHEM32\1\METHODS\MASS FA..M

Last changed : 3/20/2025 2:31:49 PM by SYSTEM

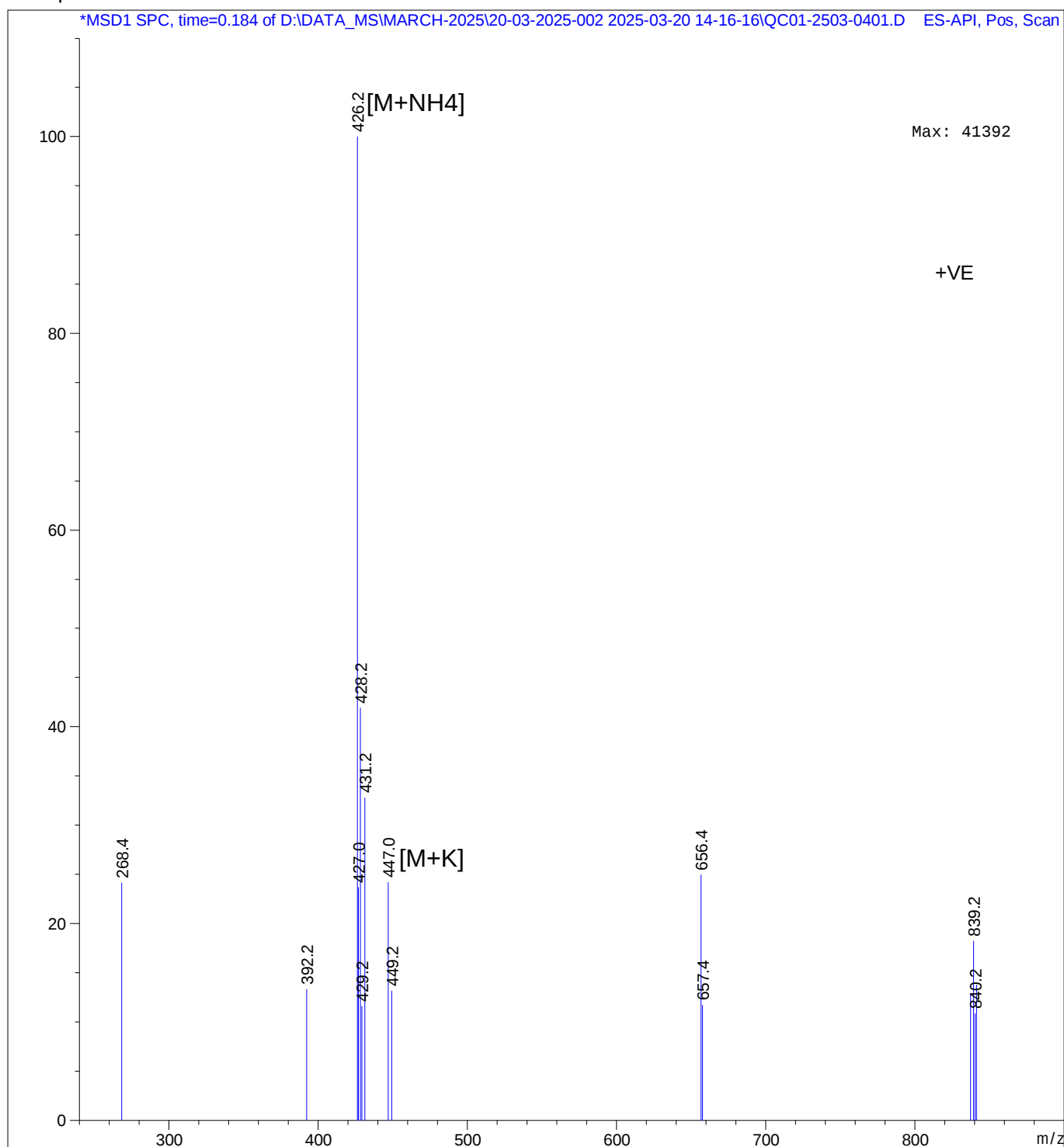
(modified after loading)

Method Info : Mobile phase: 0.1% Formic acid in 1000 ml of Water:ACN(50:50)

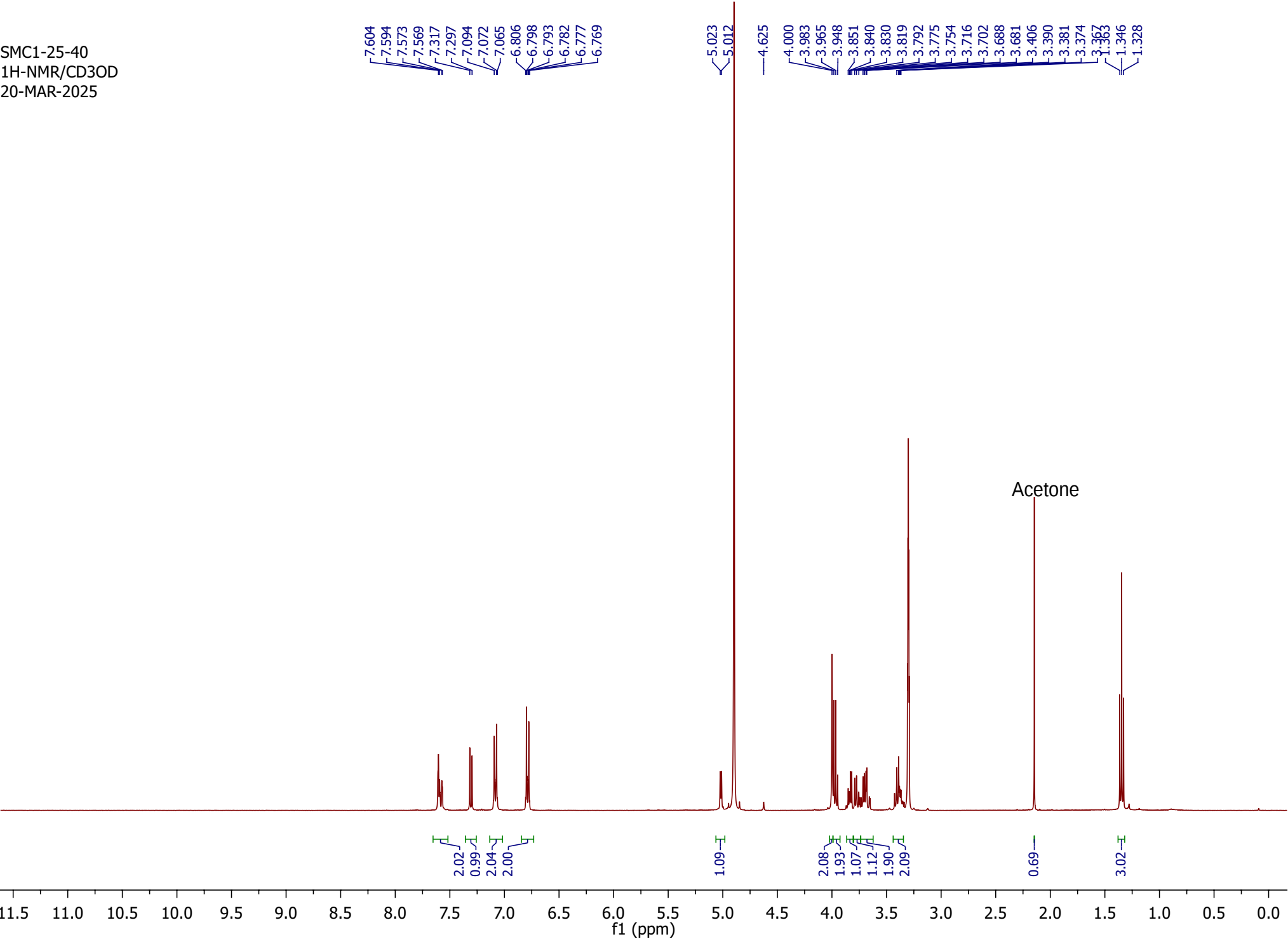
Flow 0.5 ml Fragmentor 110

Sample Info : Diluent:Methanol Expected mass: 450.14

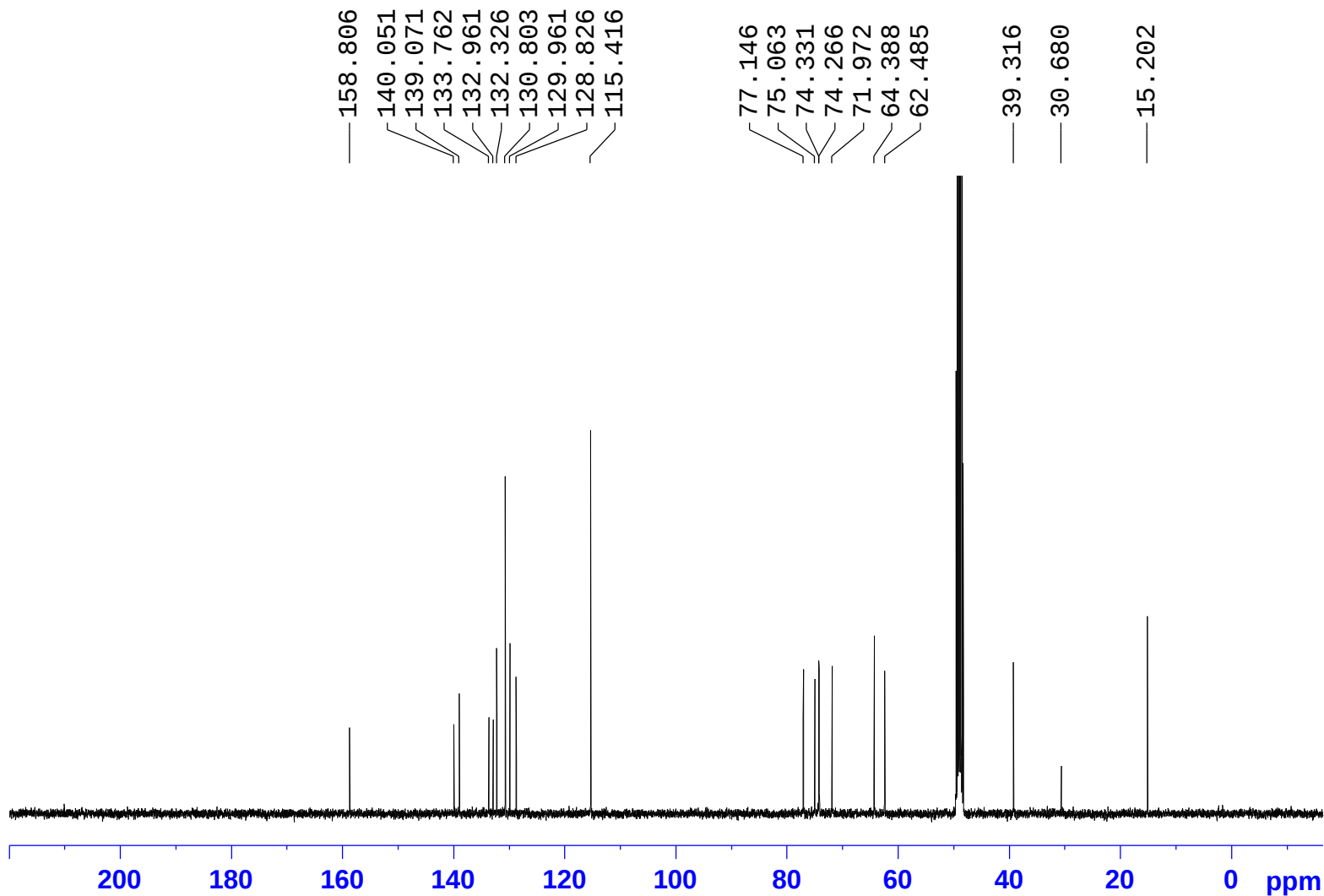
MS Spectrum



SMC1-25-40
1H-NMR/CD3OD
20-MAR-2025



SYNTHINK RESEARCH CHEMICALS
SMC1-25-40
13C-NMR/CD3OD
20-MAR-2025

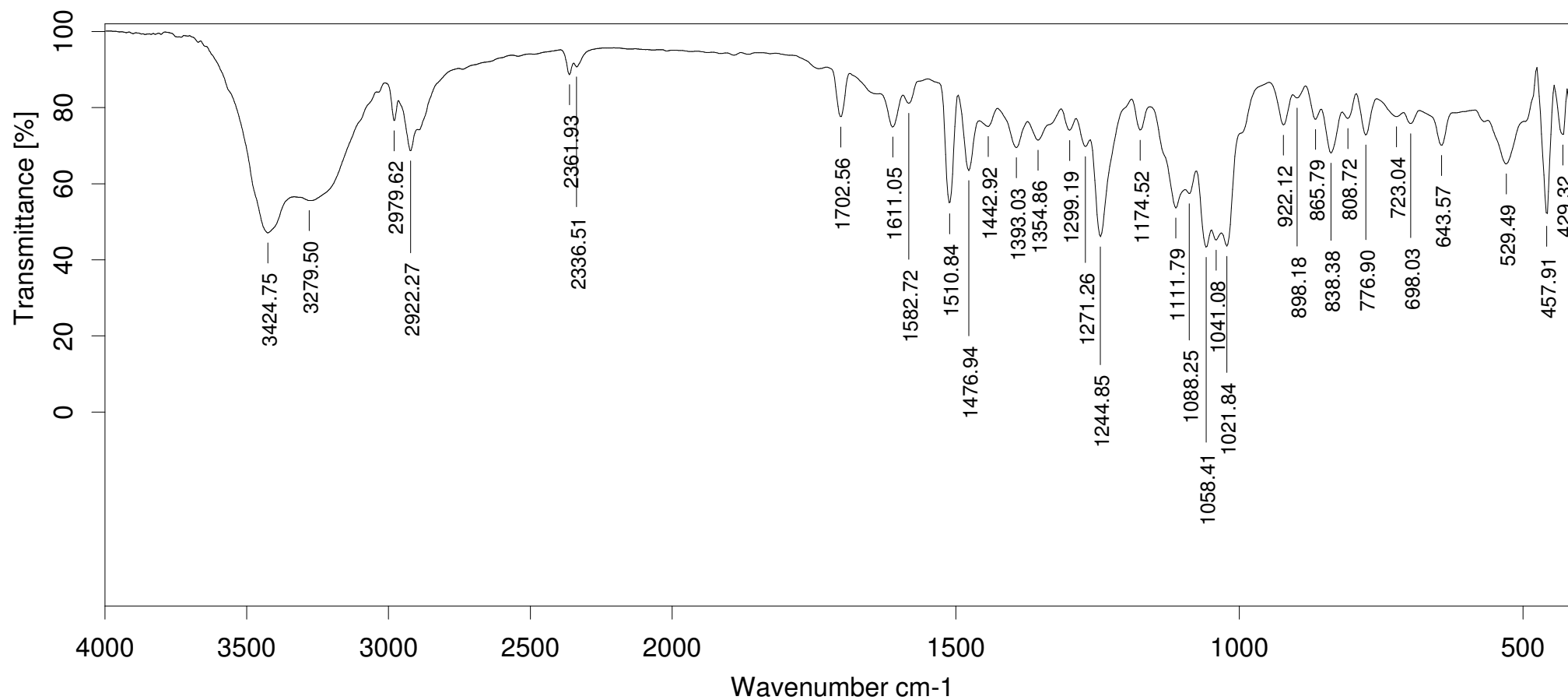


Current Data Parameters
NAME QC11250320044
EXPNO 2
PROCNO 1

F2 - Acquisition Parameters
Date_ 20250320
Time 16.36 h
INSTRUM spect
PROBHD Z108618_0828 (
PULPROG zgpg30
TD 65536
SOLVENT MeOD
NS 541
DS 4
SWH 29761.904 Hz
FIDRES 0.908261 Hz
AQ 1.1010048 sec
RG 195.98
DW 16.800 usec
DE 6.50 usec
TE 0 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1
SF01 100.6122678 MHz
NUC1 13C
P0 3.33 usec
P1 10.00 usec
PLW1 45.05899811 W
SF02 400.0896004 MHz
NUC2 1H
CPDPRG[2] waltz65
PCPD2 90.00 usec
PLW2 15.33899975 W
PLW12 0.37117001 W
PLW13 0.18669000 W

F2 - Processing parameters
SI 32768
SF 100.6020686 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

SYNTHINK RESEARCH CHEMICALS
IR REPORT



USER:CH.DIVYA

Sample Name:SMC1-25-40

Batch No:SMC1-25-40

Resolution:4

Path:D:\FTIR Data\2025\3\MARCH

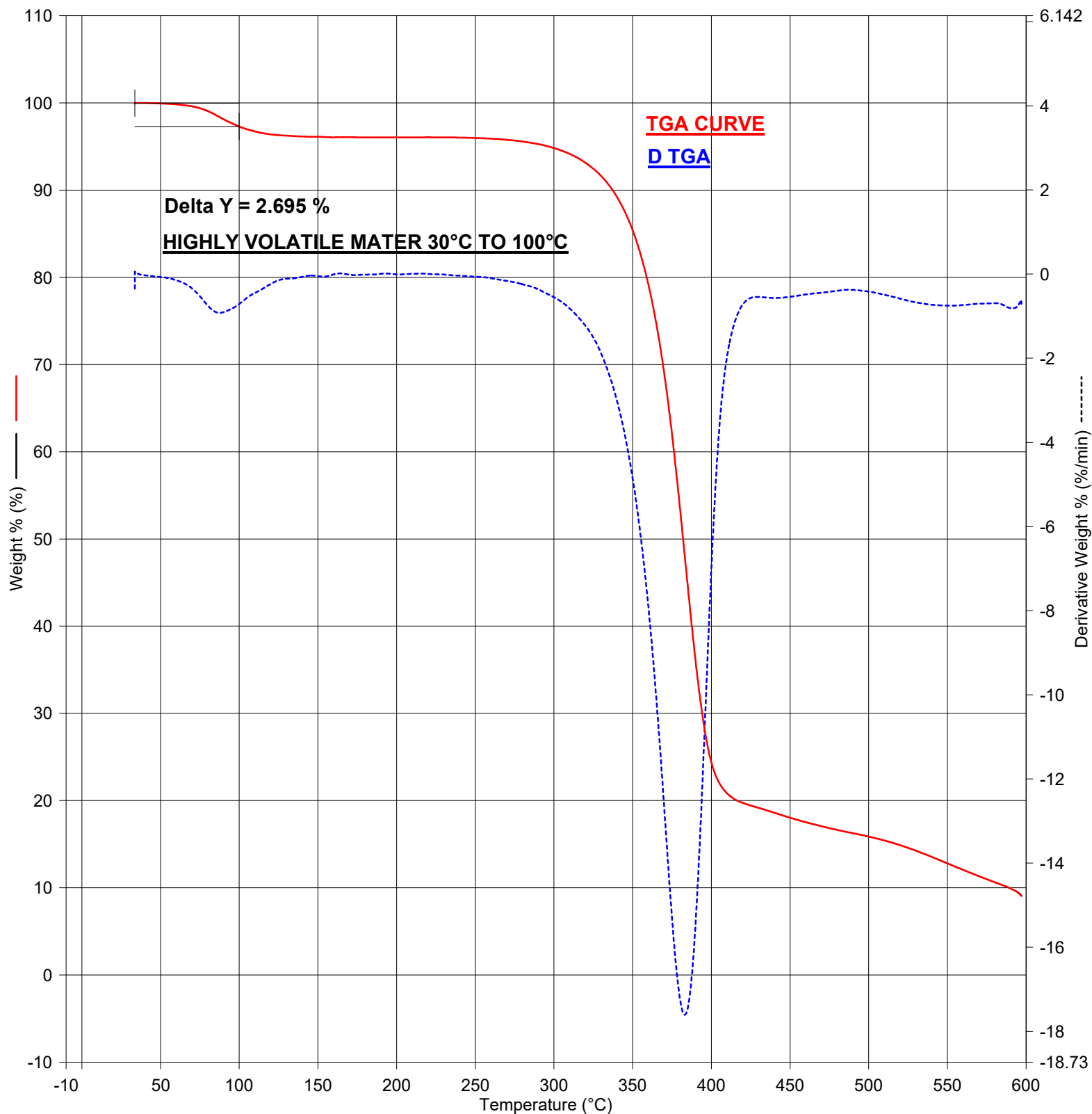
FILE NAME:QC-04-2503-195.0

Acquired Date & Time:3/20/2025,3:25:37 PM

3/20/2025 3:26:55 PM

SYNTHINK RESEARCH CHEMICALS
TGA REPORT

Filename: D:\TGA DATA\MARCH 2025\22...\SMC1-25-40.t6d
Data Collected: 22-03-2025 15:59:44
Operator ID: Swarali K
Sample ID: SMC1-25-40
Sample Weight: 9.711 mg



22-03-2025 16:36:50

1) Hold for 1.0 min at 30.00°C
2) Heat from 30.00°C to 600.00°C at 10.00°C/min

3) Hold for 1.0 min at 600.00°C