

ANALYSIS REPORT FOR LAB VALIDATION BATCHES

Name of the Compound ETHYL 2-((2,6-DIFLUOROBENZYL) (METHOXYCARBONYL) AMINO)-4-((DIMETHYLAMINO)METHYL)-5-(4-NITROPHENYL) THIOPHENE-3-CARBOXYLATE SULPHATE (DA004-DNT/A05) / RG05

Date of Analysis 03/12/2025

Page. No:

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S.NO	Test Parameter	Specification	DA004-DNT/A05/137	DA004-DNT/A05/138	DA004-DNT/A05/139
			COA/2511/024	COA/2511/023	COA/2511/022
1.	Description	Pale yellow to yellow powder	Pale yellow color powder	Pale yellow color powder	Pale yellow color powder
2.	Identification by IR	The wavenumbers exhibit at 1525 \pm 30 cm ⁻¹ , 1715 \pm 30 cm ⁻¹ , 1050 \pm 30 cm ⁻¹ and 1110 \pm 30 cm ⁻¹ of the sample	1538 cm ⁻¹ , 1719 cm ⁻¹ , 1043 cm ⁻¹ , 1111 cm ⁻¹	1519 cm ⁻¹ , 1719 cm ⁻¹ , 1043 cm ⁻¹ , 1111 cm ⁻¹	1519 cm ⁻¹ , 1719 cm ⁻¹ , 1044 cm ⁻¹ , 1111 cm ⁻¹
3.	Identification by ¹ H NMR	Conforms to structure	Complies	Complies	Complies
4.	Water content by KF (% w/w)	Not more than 4.0	2.8	2.8	2.8
5.	Related substances by HPLC (%)				
	RG05IM1 (RG03)	Not more than 0.5%	0.18	0.05	0.04
	RG05IM2 (De-benzylated RG05)	Not more than 0.5%	0.07	0.04	0.03
	RG05IM3 (RG05 Dimer)	Not more than 0.5%	Not detected	0.02	0.02
	Any other impurity	Not more than 0.5%	0.06 (RRT at 0.75) 0.06 (RRT at 1.11)	0.06 (RRT at 0.73)	0.08 (RRT at 0.73)

Prepared by:

Date

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03/12/2025

Checked by:


Date

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03/12/2025

NEWATOM LABS PRIVATE LIMITED		NewAtom	
ANALYSIS REPORT FOR LAB VALIDATION BATCHES			
Name of the Compound	ETHYL 2-((2,6-DIFLUOROBENZYL) (METHOXYCARBONYL) AMINO)-4-((DIMETHYLAMINO)METHYL)-5-(4-NITROPHENYL) THIOPHENE-3-CARBOXYLATE SULPHATE (DA004-DNT/A05) / RG05		
Date of Analysis	03/12/2025	Page. No:	2 of 2
Total impurities	Not more than 2.0	0.41	0.28
6. Assay (as is)	Not less than 94.0%	96.8	97.0

Issued by:R.Vasudha,Issued date:03/12/2025

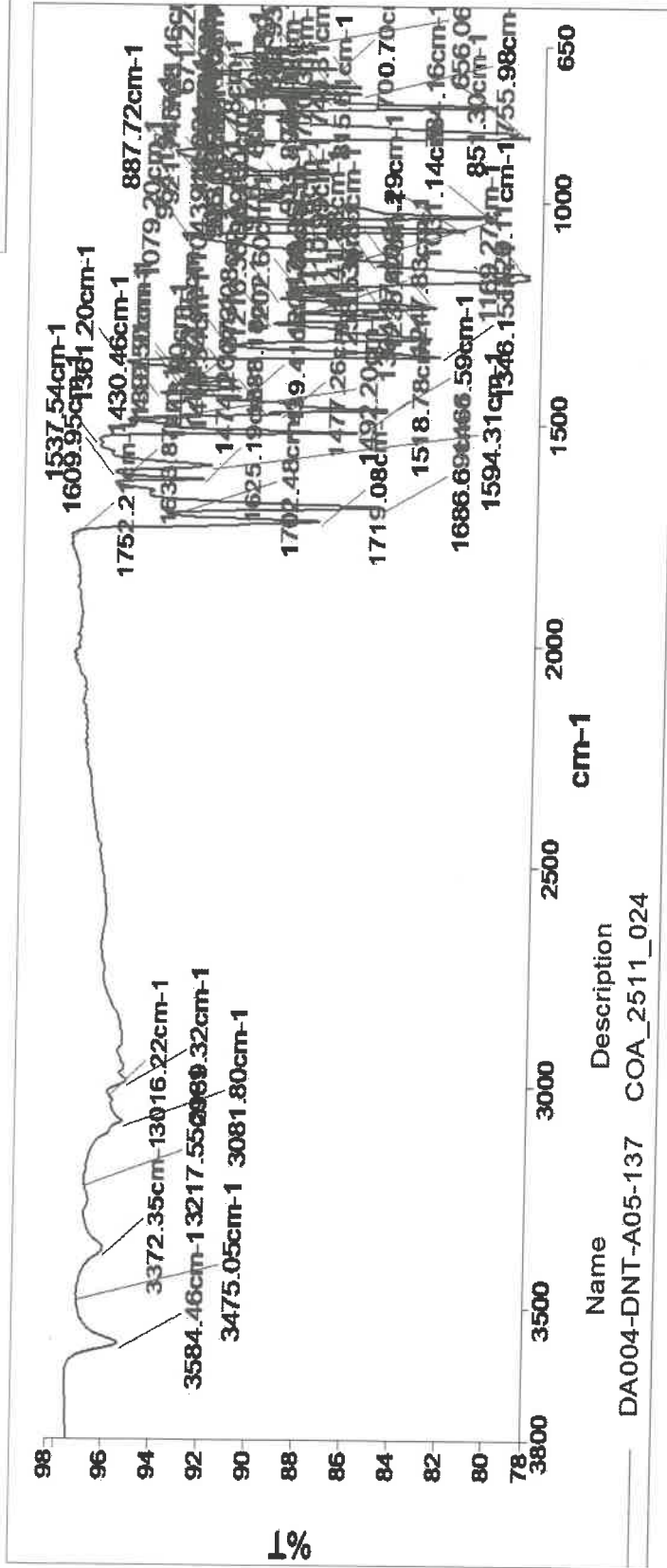
Prepared by: 
Date : 03/12/2025Checked by: 
Date : 03/12/2025

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01



Sample Details

Setting	Filename	Creation Date	Analyst	Description
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Instrument Details

Setting	Number of Scans	Resolution
Value	16	4

Analyzed By: *AS*
Date: 28/11/2025

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Print Date & Time: 28-11-2025 11:53:30

Checked By: *July*
Date: 28/11/2025

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

Single Peak Table

Peak Number	1	2	3	4	5	6	7	8	9
X (cm ⁻¹)	3584.46	3475.05	3372.35	3217.55	3081.80	3016.22	2989.32	1752.21	1719.08
Y (%)	95.37	97.15	96.07	96.90	95.32	95.96	95.19	97.88	87.46

Single Peak Table

10	11	12	13	14	15	16	17	18	19
1702.48	1686.69	1633.87	1625.19	1609.95	1594.31	1537.54	1518.78	1492.20	1477.26
93.90	84.85	96.06	92.35	96.07	92.03	96.78	85.98	95.58	89.20

Single Peak Table

20	21	22	23	24	25	26	27	28	29
1474.20	1466.59	1443.90	1439.41	1430.46	1419.34	1410.50	1401.77	1392.91	1388.18
89.69	84.71	91.66	90.83	94.22	90.85	93.27	91.04	93.22	92.64

Single Peak Table

30	31	32	33	34	35	36	37	38	39
1361.20	1346.15	1323.95	1304.87	1273.08	1258.53	1247.83	1235.42	1216.36	1208.60
95.66	82.54	91.25	82.90	89.58	84.64	88.49	82.73	89.30	86.77

Single Peak Table

40	41	42	43	44	45	46	47	48	49
1202.60	1169.27	1141.88	1136.35	1126.05	1120.11	1115.18	1110.99	1079.20	1061.29
88.30	78.84	85.27	84.57	86.91	85.86	86.42	85.90	92.93	81.56

Single Peak Table

50	51	52	53	54	55	56	57	58	59
1043.44	1031.14	995.11	989.00	983.39	976.77	954.19	935.89	921.74	914.03
90.92	80.42	90.25	89.28	90.24	88.77	92.40	87.18	92.16	90.93

Analyzed By: *AS*

Date: 28/11/2025

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Print Date & Time: 28-11-2025 11:53:30

Checked By: *Devi*
Date: 28/11/2025

NEWATOM LABS PRIVATE LIMITED

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

NewAtom

Single Peak Table

60	61	62	63	64	65	66	67	68	69
887.72	871.78	867.11	851.30	815.61	808.50	798.40	784.16	774.12	770.31
93.76	89.64	90.74	78.95	89.60	88.63	90.52	80.33	87.23	86.70

Single Peak Table

70	71	72	73	74	75	76	77	78	79
761.25	755.98	747.40	740.31	708.46	700.70	689.86	682.59	671.22	662.93
90.40	86.04	90.72	86.05	92.13	87.10	90.73	88.27	91.61	87.98

Single Peak Table

80
656.06
90.14

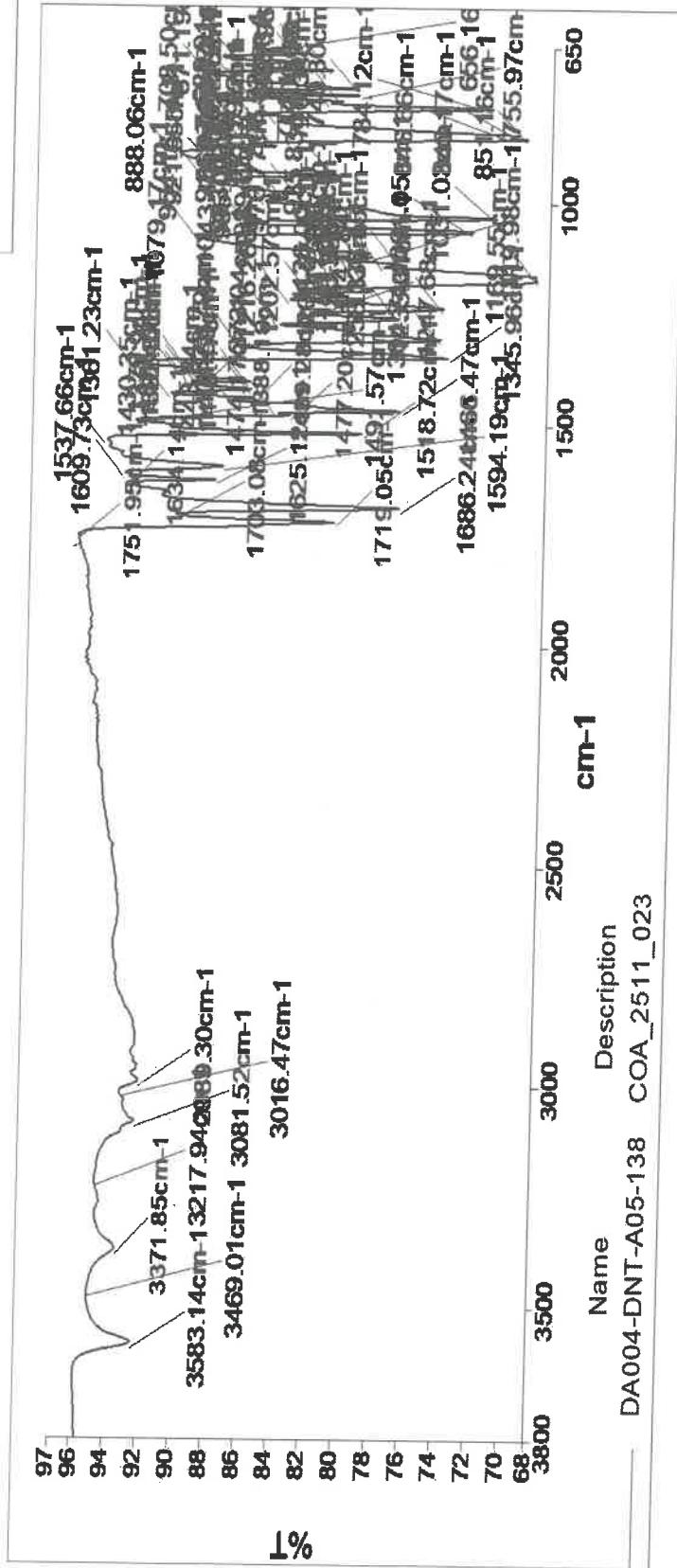
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Date: 28/11/2025

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Print Date & Time: 28-11-2025 11:53:30

Checked By: *Devi*
Date: 28/11/2025

INSTRUMENT ID: NAL/ARD/IR-01



Setting	Filename	Creation Date	Analyst	Description
Value	D:\2025\NOV\DA004-DNT-A05-138.sp	28-11-2025 11:35:47	Bhargavi.A	COA_2511_023

Setting	Number of Scans	Resolution
Value	16	4

28/11/2025

Print Date & Time: 28-11-2025 11:52:14

Checked By:
Date:

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

Single Peak Table

Peak Number	1	2	3	4	5	6	7	8	9
X (cm-1)	3583.14	3469.01	3371.85	3217.94	3081.52	3016.47	2989.30	1751.95	1719.05
Y (%T)	92.44	95.18	93.54	94.84	92.47	93.45	92.27	96.65	80.98

Single Peak Table

10	11	12	13	14	15	16	17	18	19
1703.08	1686.24	1634.14	1625.12	1609.73	1594.19	1537.66	1518.72	1491.57	1477.20
90.68	77.09	93.75	88.33	93.81	87.87	94.96	79.43	93.26	83.85

Single Peak Table

20	21	22	23	24	25	26	27	28	29
1474.17	1466.47	1443.84	1439.28	1430.35	1419.47	1410.45	1401.59	1392.87	1388.19
84.56	77.15	87.33	86.05	91.13	86.20	89.77	86.35	89.67	88.80

Single Peak Table

30	31	32	33	34	35	36	37	38	39
1379.94	1374.01	1361.23	1345.96	1323.79	1304.74	1273.04	1258.37	1247.68	1235.31
90.59	89.95	93.36	74.33	86.77	74.75	84.55	77.30	82.80	74.62

Single Peak Table

40	41	42	43	44	45	46	47	48	49
1216.26	1208.57	1202.57	1195.38	1191.53	1169.55	1141.84	1136.15	1126.00	1119.98
83.99	80.44	82.63	78.89	79.43	69.00	78.36	77.30	80.65	79.11

Single Peak Table

50	51	52	53	54	55	56	57	58	59
1115.06	1110.92	1079.17	1061.05	1043.46	1031.03	995.03	989.04	983.31	976.77
79.90	79.18	89.50	72.95	86.56	71.52	85.63	84.27	85.70	83.56

Analyzed By: *SB*

Date: 28/11/2025

Page 2 of 3

Print Date & Time: 28-11-2025 11:52:14

Checked By: *Devi*
Date: 28/11/2025

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

Single Peak Table

60	61	62	63	64	65	66	67	68	69
954.16	935.83	921.65	914.07	888.06	871.79	867.06	851.16	846.66	843.17
88.92	81.24	88.55	86.75	90.93	85.00	86.64	69.73	70.81	70.31

Single Peak Table

70	71	72	73	74	75	76	77	78	79
815.52	808.52	798.45	784.12	774.12	770.34	761.26	755.97	747.47	740.30
85.02	83.64	86.39	71.87	81.75	81.01	86.39	80.01	86.89	80.08

Single Peak Table

80	81	82	83	84	85	86
708.50	700.68	689.91	682.61	671.19	662.96	656.16
89.06	81.65	87.03	83.45	88.37	83.19	86.34

Analyzed By: *AS*
 Date: 28/11/2025

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Print Date & Time: 28-11-2025 11:52:14

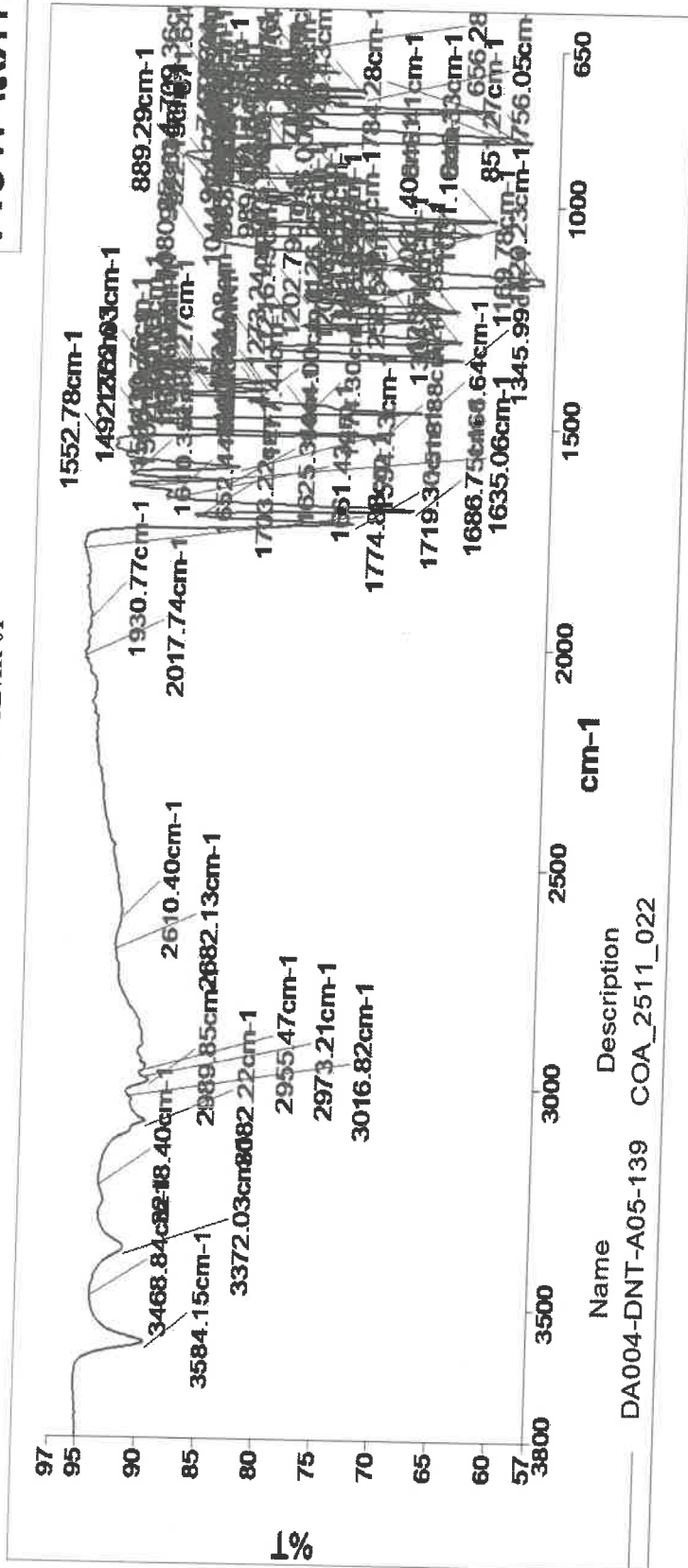
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 Date: 28/11/2025

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01



Sample Details

Setting	Filename	Creation Date	Analyst	Description
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Instrument Details

Setting	Number of Scans	Resolution
Value	16	4

Analyzed By: *AS*
 Date: *28/11/2025*

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Print Date & Time: 28-11-2025 11:50:46

Checked By: *Deva*
 Date: *28/11/2025*

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

Single Peak Table

Peak Number	1	2	3	4	5	6	7	8	9
X (cm ⁻¹)	3584.15	3468.84	3372.03	3218.40	3082.22	3016.82	2989.85	2973.21	2955.47
Y (%T)	89.50	94.24	91.50	93.76	89.86	91.59	89.70	90.53	89.98

Single Peak Table

10	11	12	13	14	15	16	17	18	19
2682.13	2610.40	2017.74	1930.77	1774.88	1719.30	1703.22	1686.75	1661.43	1652.44
92.81	92.30	96.08	95.55	96.44	73.32	87.06	68.20	89.60	89.08

Single Peak Table

20	21	22	23	24	25	26	27	28	29
1635.06	1625.34	1610.35	1594.43	1552.78	1518.88	1506.89	1502.48	1492.27	1477.44
92.72	84.32	92.62	83.35	94.02	71.34	88.31	87.56	91.20	77.01

Single Peak Table

30	31	32	33	34	35	36	37	38	39
1474.30	1466.64	1444.00	1439.53	1430.76	1419.49	1410.69	1401.84	1393.04	1388.27
78.04	67.77	82.75	80.97	88.53	80.99	86.15	81.07	86.06	84.75

Single Peak Table

40	41	42	43	44	45	46	47	48	49
1380.26	1374.09	1362.03	1345.99	1324.08	1304.81	1273.24	1258.54	1247.89	1235.44
87.34	86.31	91.11	64.34	81.54	64.45	78.38	68.27	75.91	64.78

Single Peak Table

50	51	52	53	54	55	56	57	58	59
1216.49	1208.65	1202.79	1195.52	1191.65	1169.78	1142.07	1136.42	1126.25	1120.23
77.77	72.68	75.49	70.26	71.02	57.58	70.68	69.08	73.82	71.59

 Analyzed By: *AS*
 Date: *28/11/2025*

Page 2 of 3

Print Date & Time: 28-11-2025 11:50:46

 Checked By: *Judy*
 Date: *28/11/2025*

NEWATOM LABS PRIVATE LIMITED

NewAtom

Software: Spectrum IR ES V10.7.2

INSTRUMENT ID: NAL/ARD/IR-01

Single Peak Table

60	61	62	63	64	65	66	67	68	69
1115.22	1111.14	1080.35	1061.40	1044.03	1031.16	995.32	989.12	983.56	976.96
72.78	71.82	86.57	63.12	82.56	61.80	81.79	79.61	81.64	78.45

Single Peak Table

70	71	72	73	74	75	76	77	78	79
954.63	936.00	922.15	914.22	889.29	871.84	867.27	851.27	846.41	843.33
86.27	74.79	85.77	82.91	88.71	79.63	81.83	58.96	60.54	60.10

Single Peak Table

80	81	82	83	84	85	86	87	88	89
815.98	808.49	798.86	784.28	774.29	770.46	761.43	756.05	747.83	740.43
80.65	78.42	82.01	62.27	76.05	74.98	82.73	73.45	83.41	73.45

Single Peak Table

90	91	92	93	94	95	96
709.36	700.79	690.04	682.76	671.64	663.04	656.28
86.51	75.62	83.44	78.20	85.43	77.81	82.26

Analyzed By: *AS*
 Date: 28/11/2025

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Print Date & Time: 28-11-2025 11:50:46

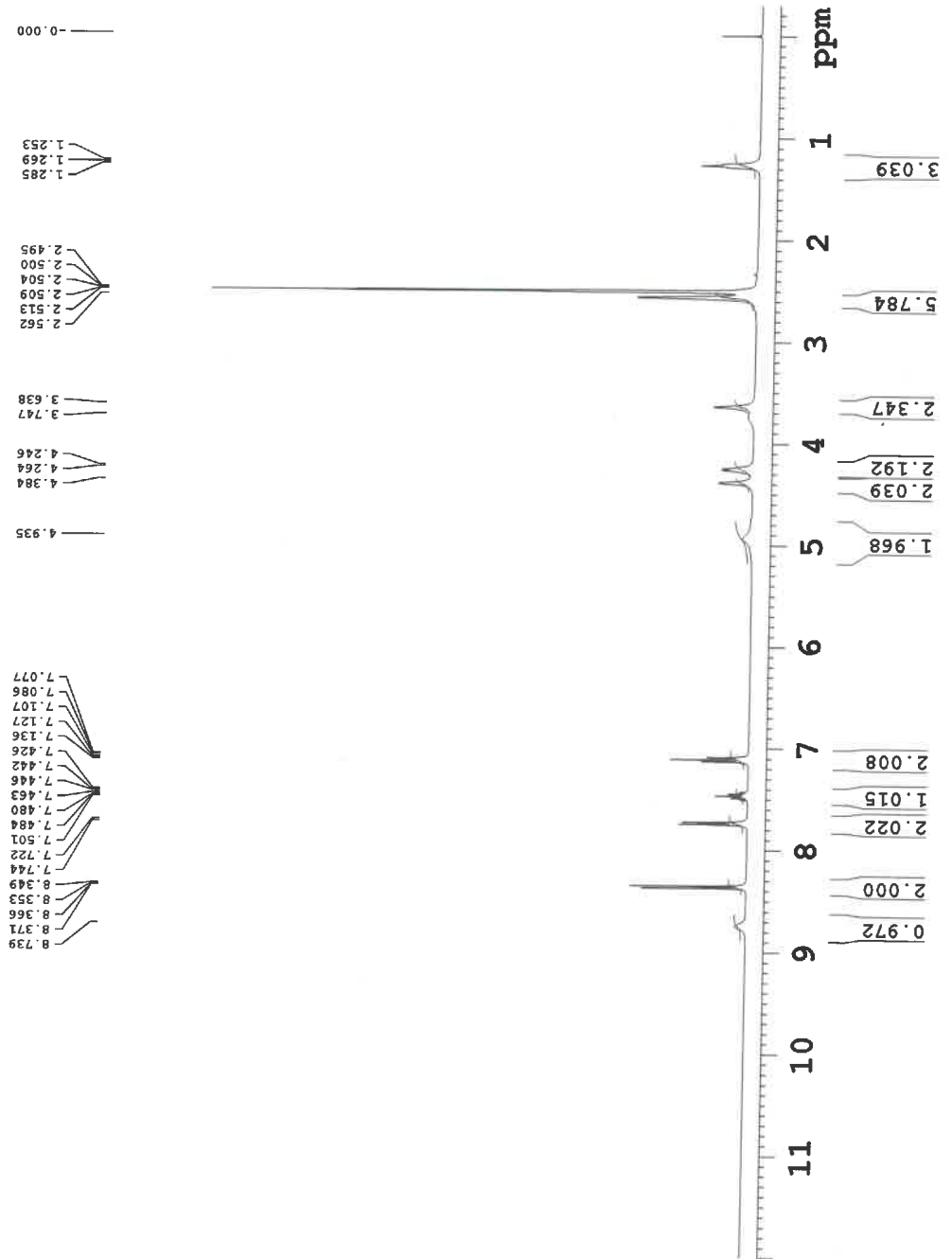
Checked By: *AS*
 Date: 28/11/2025

DNT
DA004-DNT-A05-137
1H DMSO-D6
28-11-2025

Current Data Parameters
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PROCNO 1

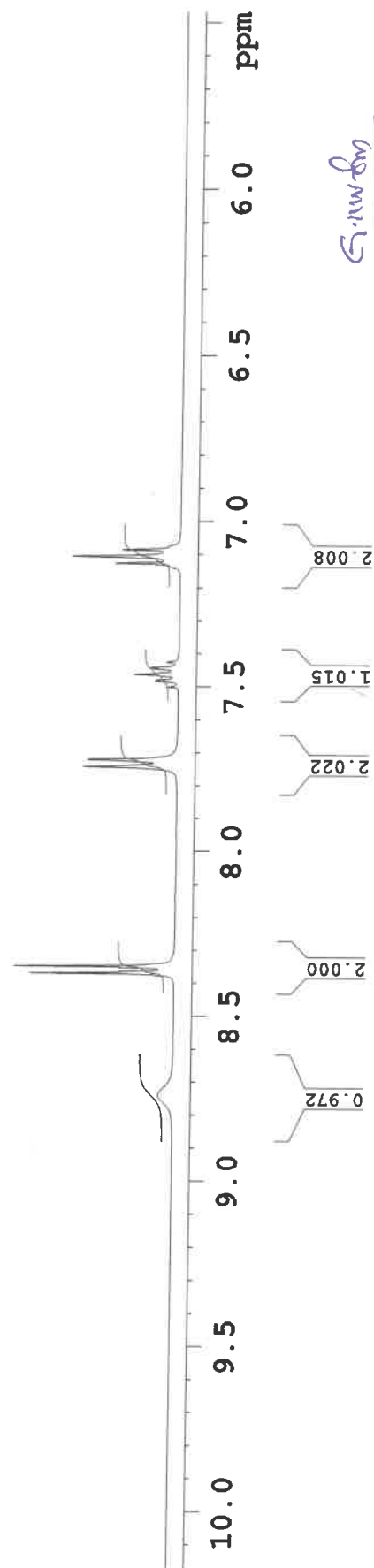
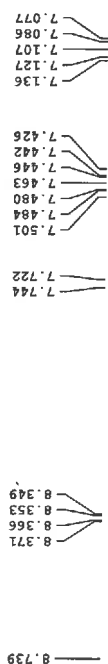
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SOLVENT DMSO
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FIDRES 0.263083 Hz
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RG 101
DW 58.000 usec
DE 13.14 usec
TE 298.1 K
D1 1.00000000 sec
TD0 1
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NUC1 1H
P0 2.67 usec
P1 8.00 usec
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F2 - Processing parameters
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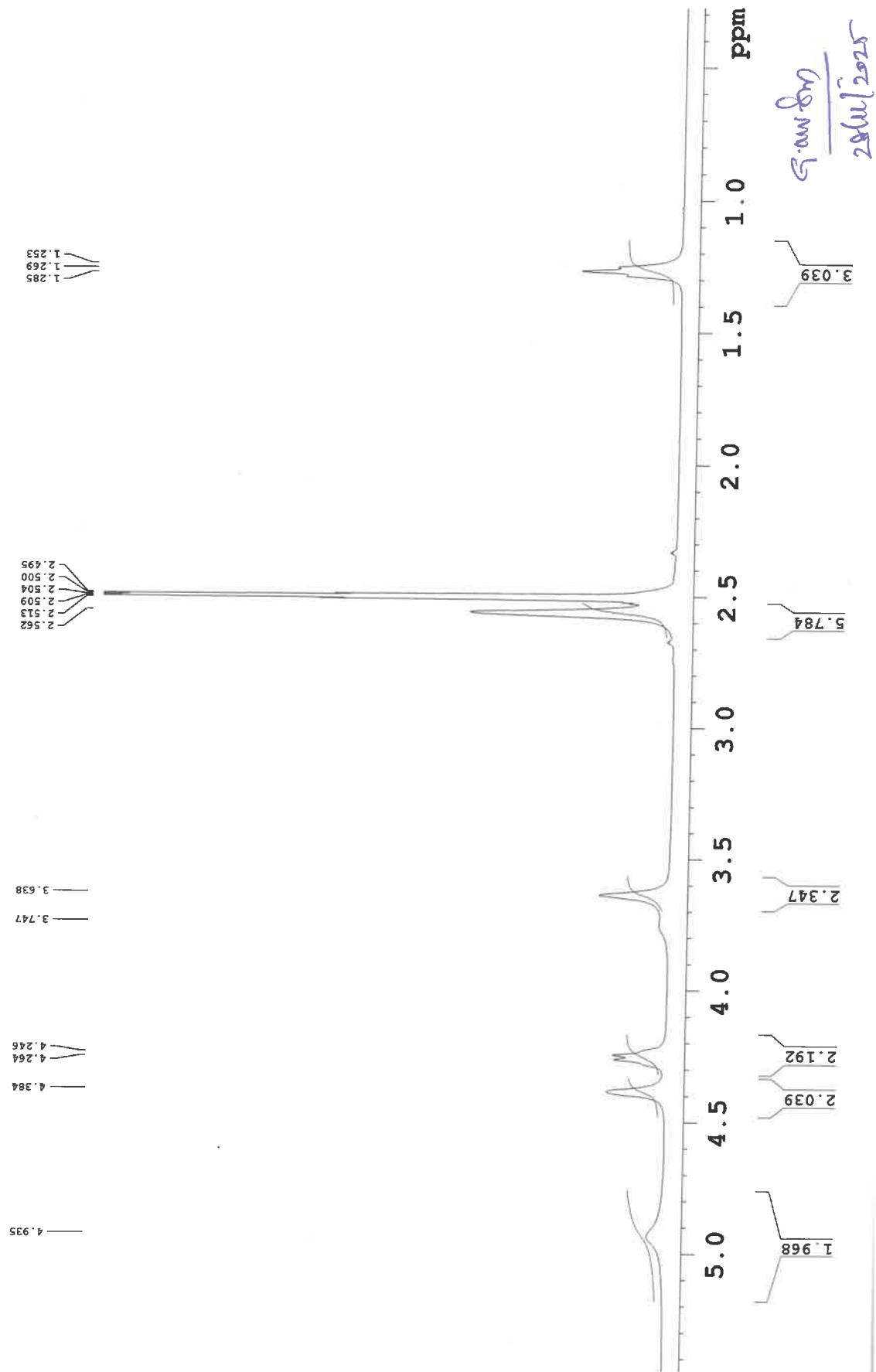
G-NMR
28/11/2025

DNT
DA004-DNT-A05-137
1H DMSO-D6
28-11-2025



Grnm
28/11/2025

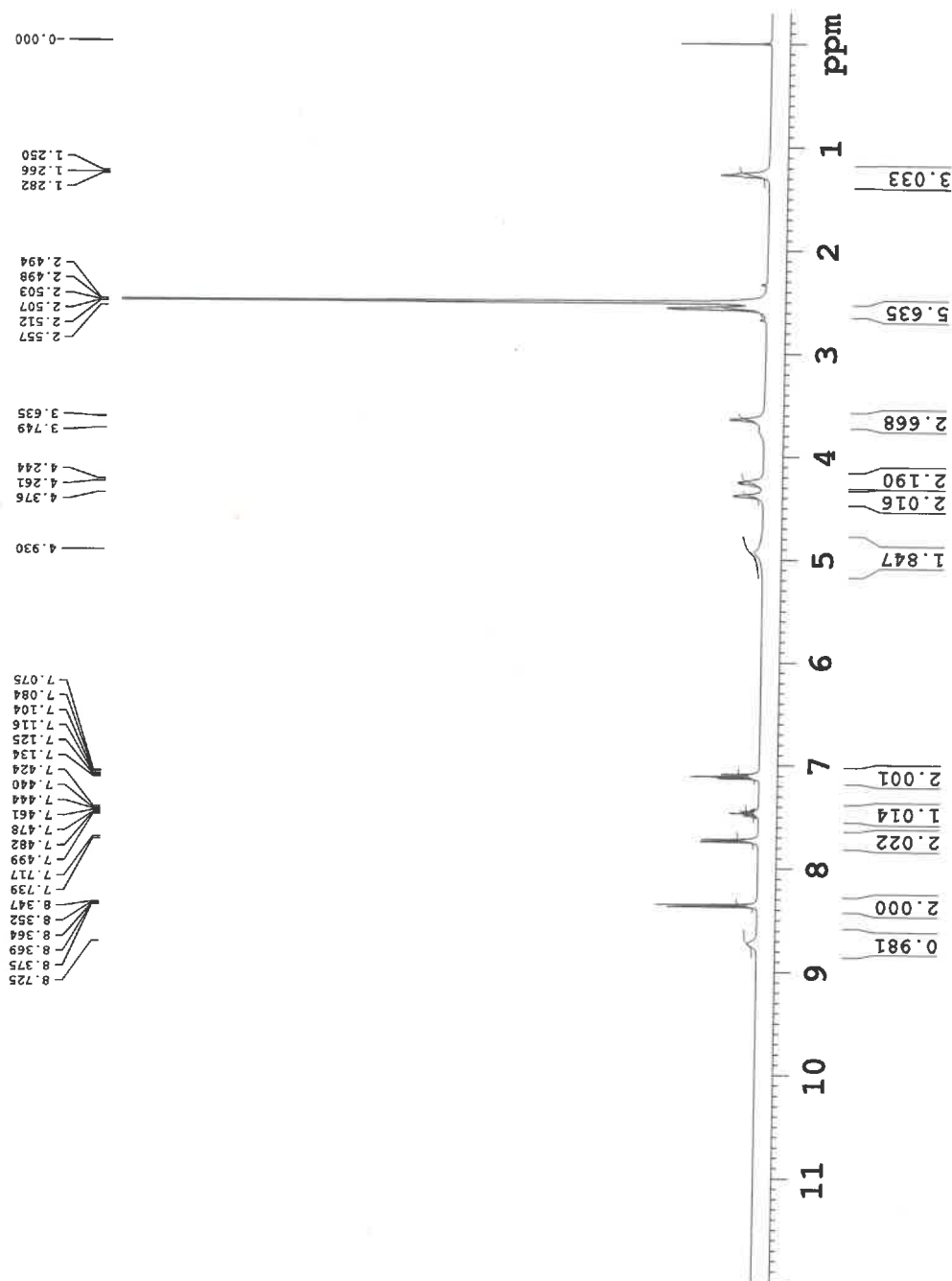
DNT
DA004-DNT-A05-137
1H DMSO-D6
28-11-2025



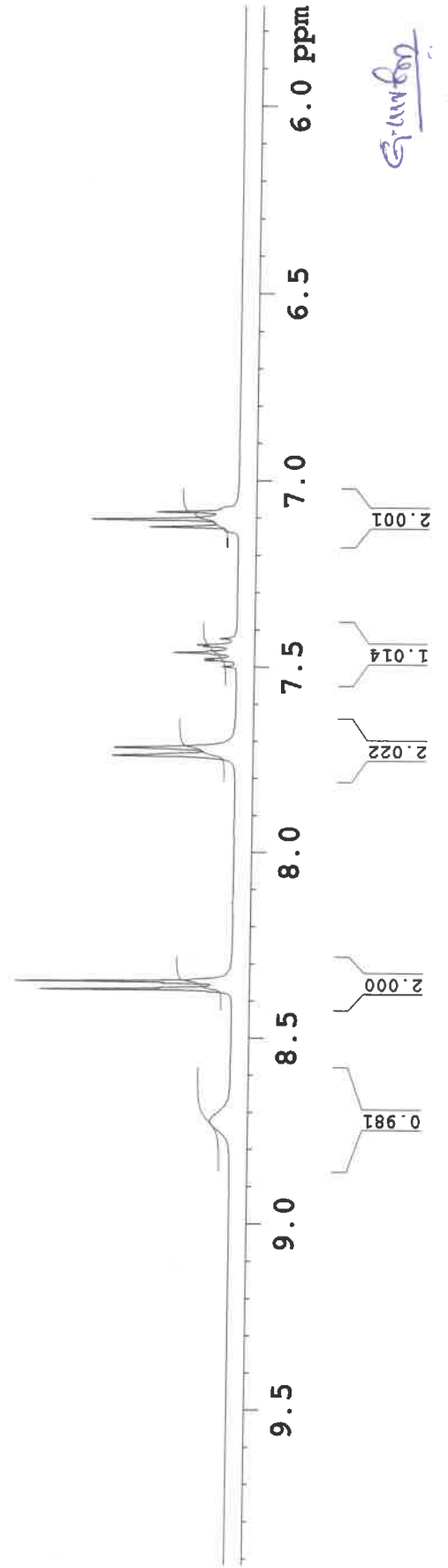
Issued by:R.Vasudha,Issued date:03/12/2025

UNCONTROLLED

28/11/2025



DNT
DA004-DNT-A05-138
1H DMSO-D6
28-11-2025



G. unben
28/11/2025

UNCONTROLLED

DNT
DA004-DNT-A05-138
1H DMSO-D6
28-11-2025

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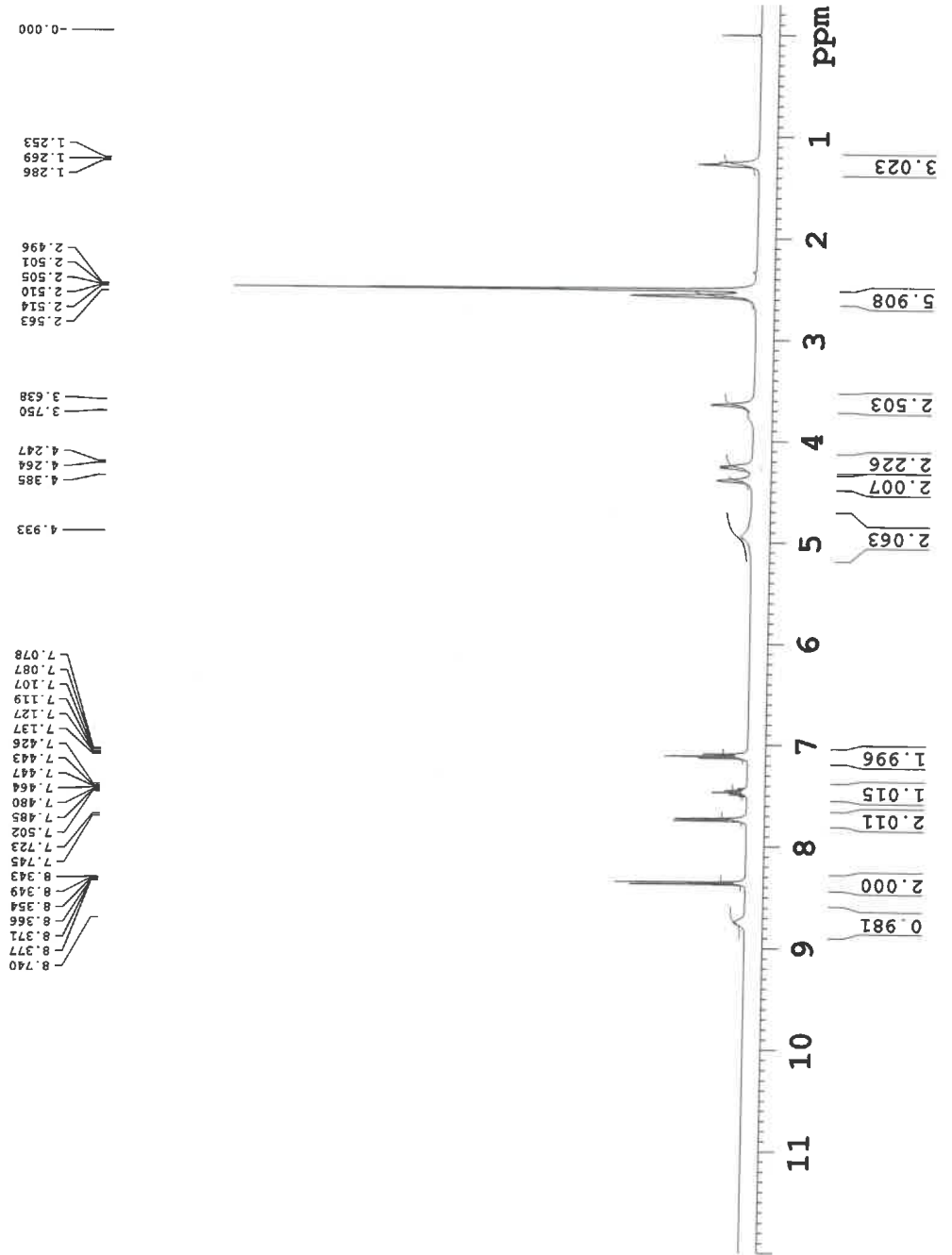
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Grinded
28/11/2025

DNT
DA004-DNT-A05-139
1H DMSO-D6
28-11-2025

Current Data Parameters
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EXPNO 1
PROCNO 1
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Time_ 13.39 h
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PROBHD Z163739_0392 (zg30)
TD 65536
SOLVENT DMSO
NS 16
DS 0
SWH 8620.689 Hz
FIDRES 0.263083 Hz
AQ 3.8010881 sec
RG 101
DE 58.000 usec
TE 13.14 usec
298.2 K
D1 1.00000000 sec
TD0 1
SFO1 400.3024719 MHz
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P0 2.67 usec
P1 8.00 usec
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SF 400.3000003 MHz
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SSB 0
LB 0.30 Hz
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G-nw-800
28/11/2025

DNT
DA004-DNT-A05-139
1H DMSO-D6
28-11-2025

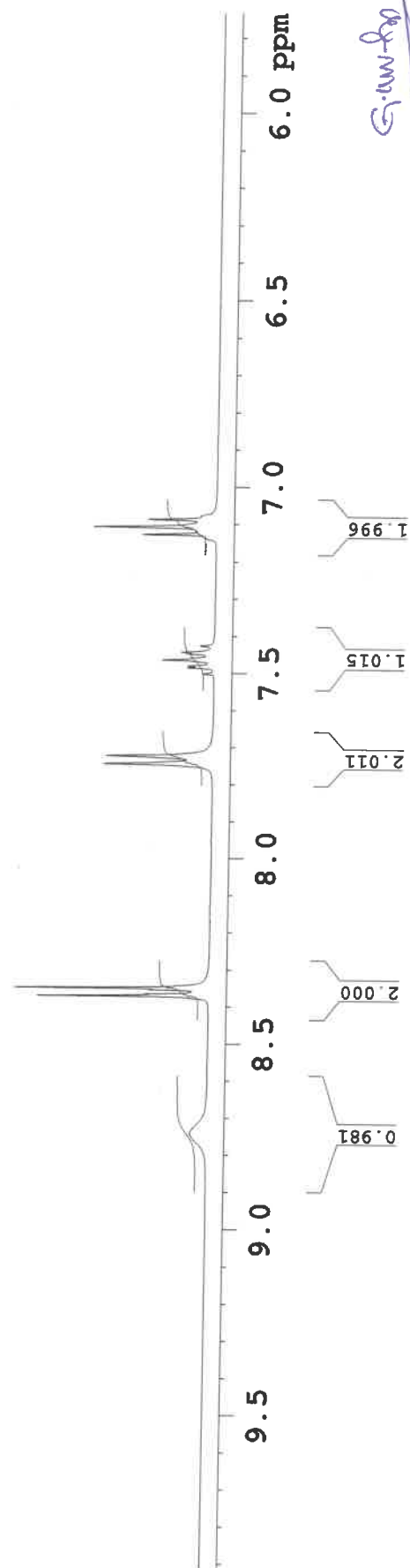
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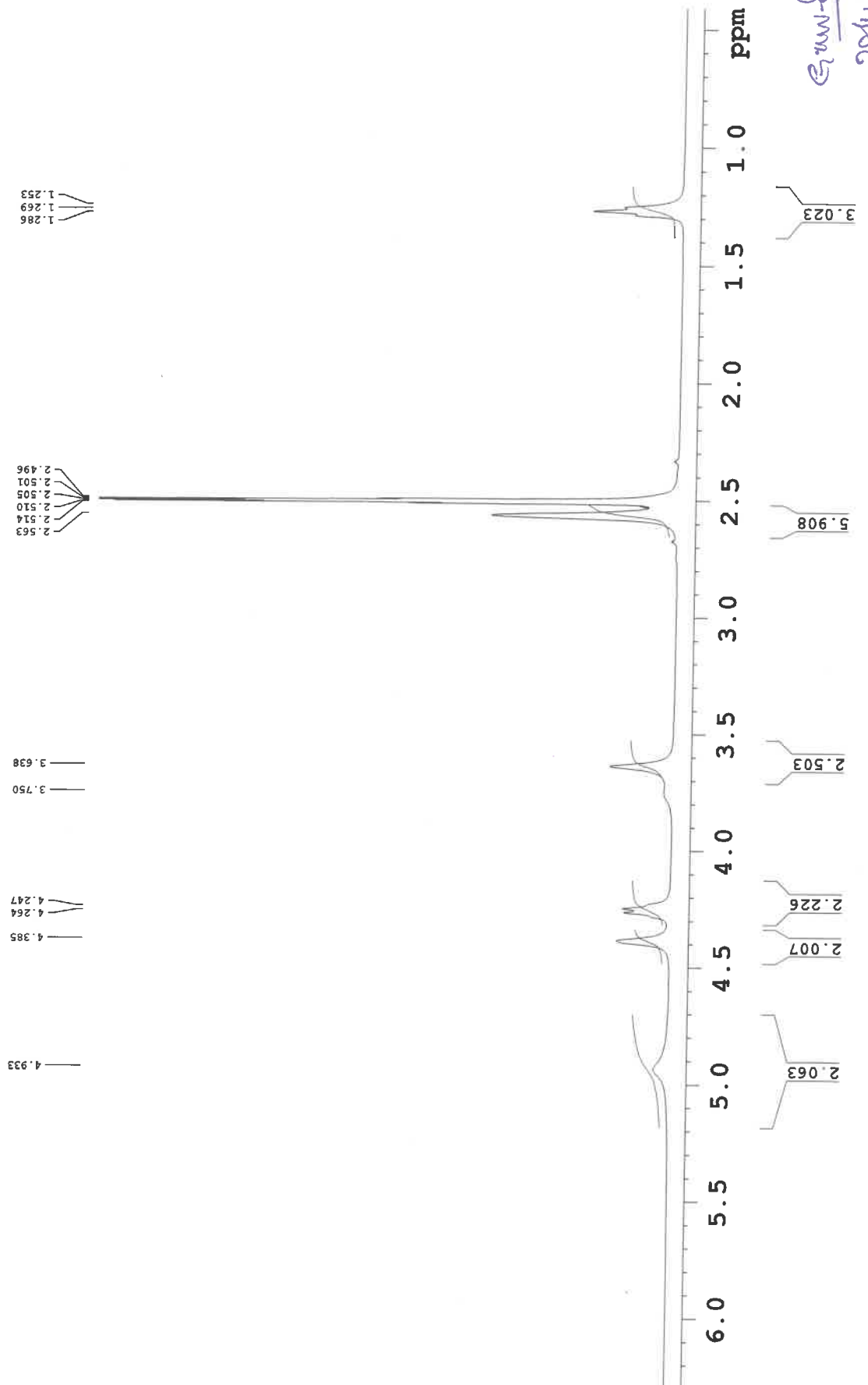
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G. Anand
28/11/2025

UNCONTROLLED

DNT
DA004-DNT-A05-139
1H DMSO-D6
28-11-2025



run-800
28/11/2025

NewAtom

Impurities	RRF Values	CF
RG-03/A03 (RG05IM1)	0.78	1.28
RG-05 debenzyl imp (RG05IM2)	1.84	0.54
RG-05 dimer imp (RG05IM3)	1.21	0.83
Any other impurity	1.00	1.00

DA004-DNT/A05/137		COA/2511/024	03-12-2025		
S.NO			Peak area response	% area	With RRF Correction (%)
1	RG-03/A03 (RG05IM1)		24244	0.14	0.18
2	RG-05 debenzylated imp (RG05IM2)		23345	0.13	0.07
3	RG-05 dimer imp (RG05IM3)		0	0.00	0.00
4	RRT~0.575		2857	0.02	0.02
5	RRT~0.754		11003	0.06	0.06
6	RRT~0.786		4726	0.03	0.03
7	RG-05/A05		17659087		99.59
8	RRT~1.109		10387	0.06	0.06
9			Any other impurity		(RRT~0.75)0.06 (RRT~1.11)0.06
10			Total impurities		0.41
		Purity			99.59

Water content	2.83
Assay (as is)	96.77

Analyzed:
Date

03/12/2025

Checked by:
Date

03/12/2025

NewAtom

Impurities	RRF Values	CF
RG-03/A03 (RG05IM1)	0.78	1.28
RG-05 debenzyl imp (RG05IM2)	1.84	0.54
RG-05 dimer imp (RG05IM3)	1.21	0.83
Any other impurity	1.00	1.00

DA004-DNT/A05/135		COA/2511/023	03-12-2025		
S.NO			Peak area response	% area	With RRF Correction (%)
1	RG-03/A03 (RG05IM1)		7510	0.04	0.05
2	RG-05 debenzylated imp (RG05IM2)		13449	0.08	0.04
3	RG-05 dimer imp (RG05IM3)		3494	0.02	0.02
4	RRT~0.369		5839	0.03	0.03
5	RRT~0.575		3953	0.02	0.02
6	RRT~0.655		3154	0.02	0.02
7	RRT~0.728		12464	0.07	0.07
8	RRT~0.788		3649	0.02	0.02
9	RG-05/A05		1775893.7		99.72
10			Any other impurity		(RRT~0.73)-0.06
11			Total impurities		0.28
Purity					99.72

Water content	2.77
Assay (as is)	96.96

Analyzed:
Date

03/12/2025

Checked by:
Date

03/12/2025

NewAtom

Impurities	RRF Values	CF
RG-03/A03 (RG05IM1)	0.78	1.28
RG-05 debenzyl imp (RG05IM2)	1.84	0.54
RG-05 dimer imp (RG05IM3)	1.21	0.83
Any other impurity	1.00	1.00

DA004-DNT/A05/139		COA/2511/022	03-12-2025
S.NO		Peak area response	With RRF Correction (%)
1	RG-03/A03 (RG05IM1)	6272	0.04
2	RG-05 debenzylated imp (RG05IM2)	9941	0.06
3	RG-05 dimer imp (RG05IM3)	3958	0.02
4	RRT~ 0.369	6346	0.04
5	RRT~ 0.575	3667	0.02
6	RRT~ 0.654	2855	0.02
7	RRT~ 0.728	14555	0.08
8	RRT~ 0.788	2726	0.02
9	RG-05/A05	17918388	99.72
10	RRT~ 1.107	3442	0.02
11	Any other impurity		(RRT~ 0.73)-0.08
12	Total impurities		0.28
Purity			99.72

Water content	2.78
Assay (as is)	96.95

Analyzed:
Date

03/12/2025

Checked by:
Date

03/12/2025

UNCONTROLLED

Sample Set Method: 28112025_DNT_HPLC_03_S001

	Plate/Well	Inj Vol (uL)	# of Injs	SampleName	Batch_Number	AR_Number	Function	Method Set / Report or Export Method
1								
2	1:A,1	10.0	1	Blank	Blank	NA	Equilibrate	DNT_A05_Customer_M001_MTH
3	1:A,2	10.0	1	DA004-DNT/A05 RT Marker	DA004-DNT/A05 RT Mar	NA	Inject Samples	DNT_A05_Customer_M001_MTH
4	1:A,3	10.0	1	DA004-DNT/A05/142	DA004-DNT/A05/142	COA/2511/021	Inject Samples	DNT_A05_Customer_M001_MTH
5	1:A,4	10.0	1	DNT-25-B-001	DNT-25-B-001	ARD/COA/2511/031	Inject Samples	DNT_A05_Customer_M001_MTH
6	1:A,5	10.0	1	DA004-DNT/A05/137	DA004-DNT/A05/137	COA/2511/024	Inject Samples	DNT_A05_Customer_M001_MTH
7	1:A,6	10.0	1	DA004-DNT/A05/138	DA004-DNT/A05/138	COA/2511/023	Inject Samples	DNT_A05_Customer_M001_MTH
8	1:A,7	10.0	1	DA004-DNT/A05/139	DA004-DNT/A05/139	COA/2511/022	Inject Samples	DNT_A05_Customer_M001_MTH
9	1:A,2	10.0	1	DA004-DNT/A05 RT Marker BKT	DA004-DNT/A05 RT Mar	NA	Inject Samples	DNT_A05_Customer_M001_MTH

	Run Time (Minutes)	Column_ID	Product_Name
1	2.00		
2	85.00	NAL-ARD-LC-2025-019	DNT
3	85.00	NAL-ARD-LC-2025-019	DNT
4	85.00	NAL-ARD-LC-2025-019	DNT
5	85.00	NAL-ARD-LC-2025-019	DNT
6	85.00	NAL-ARD-LC-2025-019	DNT
7	85.00	NAL-ARD-LC-2025-019	DNT
8	85.00	NAL-ARD-LC-2025-019	DNT
9	85.00	NAL-ARD-LC-2025-019	DNT

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Empower 3

Untitled

Instrument Method: DNT_A05_Customer_M001_INST

Stored: 10-11-2025 16:31:54 IST

Method Information

Method Comments Save
 Method Modified User Manikanta.B/Analyst
 Method Locked No
 Method Id 2452
 Old Id
 Method Version 2
 Method Edit User Manikanta.B/Analyst
 Source S/W Info Empower SPs Installed: 3.8.0.1 DB ID: 3382636931

ACQ-rQSM Instrument Setup

Solvent A Name
 Solvent B Name
 Solvent C Name
 Solvent D Name
 Low Pressure Limit 0(psi)
 High Pressure Limit 9500(psi)
 Seal Wash Frequency 1.00(min)
 Position (if supported) Path 1

Gradient Table

Time (min)	Flow Rate (mL/min)	%A	%B	%C	%D	Curve
1 Initial	1.000	70.0	30.0	0.0	0.0	Initial
2 5.00	1.000	70.0	30.0	0.0	0.0	6
3 40.00	1.000	55.0	45.0	0.0	0.0	6
4 45.00	1.000	45.0	55.0	0.0	0.0	6
5 50.00	1.000	40.0	60.0	0.0	0.0	6
6 60.00	1.000	40.0	60.0	0.0	0.0	6
7 65.00	1.000	35.0	65.0	0.0	0.0	6
8 70.00	1.000	35.0	65.0	0.0	0.0	6
9 71.00	1.000	70.0	30.0	0.0	0.0	6
10 85.00	1.000	70.0	30.0	0.0	0.0	6

Comment

Flow Ramp Rate 0.45(min)
 Stroke Volume 132(uL)
 D Solvent Selection (if supported) No Change
 System Pressure Data Channel No
 Flow Rate Data Channel No
 %A Data Channel No

%B Data Channel No
 %C Data Channel No
 %D Data Channel No
 Primary Data Channel No
 Accumulator Data Channel No
 Degasser Data Channel No

Gradient Start At Injection
 Gradient Start Volume 0(uL)
 Gradient Start Time 0.00(min)
 Participate in pre-analysis No

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: Untitled

Report Method ID: 111

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Date Printed:

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ACQ-rFTN Instrument Setup

Comment	
Load Ahead	Disabled
Loop Offline	Automatic(min)
Wash Solvent Name	Water
Purge Solvent Name	Water
Post-Inject Wash Time	6.0(sec)
Pre-Inject Wash Time	0.0(sec)
Target Sample Temperature	5.0(C)
Sample Temperature Alarm Band	Disabled
Target Column Temperature	30.0(C)
Column Temperature Alarm Band	Disabled
Column Temperature Data Channel	No
Room Temperature Data Channel	No
Sample Temperature Data Channel	No
Sample Organizer Temperature Data Channel	No
Sample Pressure Data Channel	No
Preheater Temperature Data Channel	No
Syringe Draw Rate	Automatic
Needle Placement	Automatic
Pre-Aspirate Air Gap	Automatic
Post-Aspirate Air Gap	Automatic
Auto Addition Mix Stroke Cycles	Automatic
Auto Addition Mix Stroke Volume	Automatic(uL)
No Injection Mode Enabled	No
Dilution	Disabled
Dilution Volume	0(uL)
Delay Time	0(min)
Dilution Needle Placement	4.0(mm)
Column Selection	No Change
Column Selection	1
Configured Column Preheater	Disabled
Run Events	No

W2489 Instrument Setup

Wavelength Mode Single Wavelength
Lamp On On

Channel A

Comment		
Wavelength	225(nm)	Autozero On Inject Start
Sampling Rate	1(points/sec)	Yes
Data Mode	Absorbance	
Time Constant	1.0000(sec)	
Autozero On Wavelength Change	Maintain Baseline	

Analog 1

Sensitivity 2.0000(AUFS)
Chart Polarity Positive (+)
Voltage Offset 0(mV)
Enable Chart Mark Yes

Run Events Yes

Pulse Width 1.0(sec)

Reported by User: Manikanta.Bheemavarapu (Manikanta.B) Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: Untitled

Report Method ID: 111

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Rect Wave Period 0.2(sec)

Revision History

Version 2 10-11-2025 16:31:54 IST User Manikanta.B/Analyst save
Version 1 10-11-2025 16:31:48 IST User Manikanta.B/Analyst Created method 'DNT_A05_Customer_M001_INST'.
Save

Method Name	Method Type	Method Version Summaries			
		Method Comments	Method Date	Method Modified User	Method Locked
1 DNT_A05_Customer_M001_INST	Instrument	Save	10-11-2025 16:31:54 IST	Manikanta.B/Analyst	No
2 DNT_A05_Customer_M001_INST	Instrument	Save	10-11-2025 16:31:48 IST	Manikanta.B/Analyst	No

Method Version Summaries			Source S/W Info
Method Id	Old Id	Method Version	
1	2452		
2	2451		

2 Empower SPs Installed: 3.8.0.1 DB ID: 3382636931
1 Empower SPs Installed: 3.8.0.1 DB ID: 3382636931

Reported by User: Manikanta.Bheemavarapu (Manikanta.B) Project Name: 2025\November\NAL_ARD_HPLC_03
Report Method: Untitled Date Printed: 28-11-2025
Report Method ID: 111 11:15:57 Asia/Kolkata
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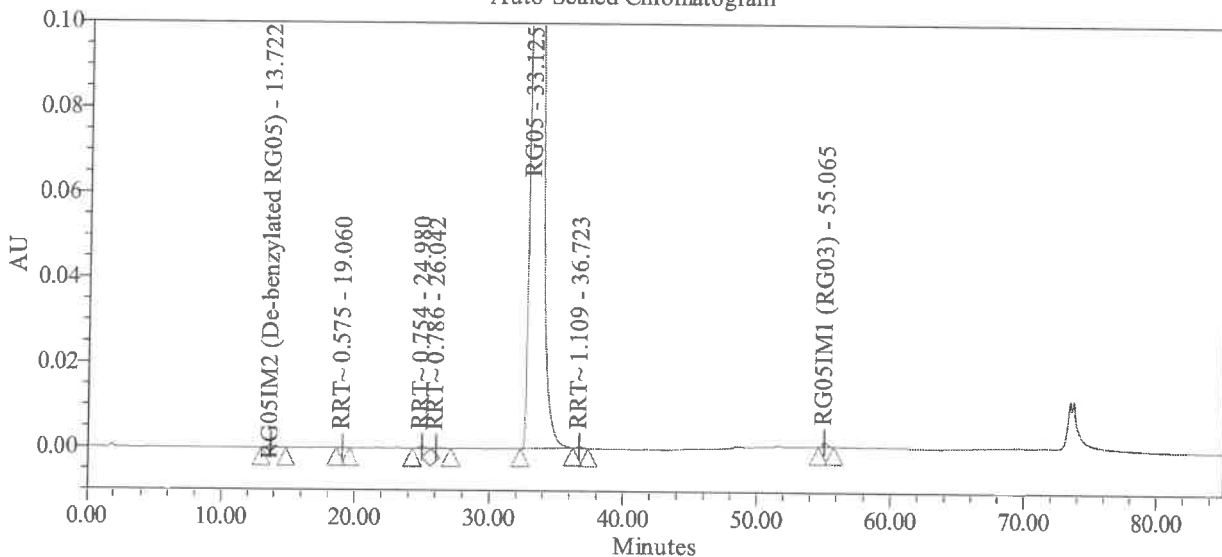
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SAMPLE INFORMATION

Sample Name:	DA004-DNT/A05/137	Acquired By:	Raju
Sample Type:	Unknown	Sample Set Name:	28112025_DNT_HPLC_03_S001
Vial:	1:A,5	Acq. Method Set:	DNT A05 Customer M001 MTH
Injection #:	1	Processing Method:	03122025_HPLC_03_DNT_P001
Injection Volume:	10.00 ul	Channel Name:	W2489 ChA
Run Time:	85.0 Minutes	Proc. Chnl. Descr.:	W2489 ChA 225nm
Date Acquired:	28-11-2025 14:08:59 IST	Column_ID:	NAL-ARD-LC-2025-019
Date Processed:	03-12-2025 09:54:48 IST	AR.Number	COA/2511/024
Batch Number:	DA004-DNT/A05/137	Instrument ID:	NAL_ARD_HPLC_03

Auto-Scaled Chromatogram



AR_Number COA/2511/024; Batch_Number DA004-DNT/A05/137 ; Processed Channel Descr. W2489 ChA 225nm; Processed By Manikanta.B/Analyst; Result # 1; Result Id 4135

Peak Results

Name	RT	Height (μV)	Area	% Area	RT Ratio
1 RG05IM2 (De-benzylated RG05)	13.722	763	23345	0.13	0.41
2 RRT~0.575	19.060	109	2857	0.02	0.58
3 RRT~0.754	24.980	352	11003	0.06	0.75
4 RRT~0.786	26.042	111	4726	0.03	0.79
5 RG05	33.125	397806	17659087	99.57	1.00
6 RRT~1.109	36.723	348	10387	0.06	1.11
7 RG05IM1 (RG03)	55.065	1002	24244	0.14	1.66

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_

Date Printed:

Report Method ID: 4088

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Result Sign Off			
	SampleName	Result Id	Sign Off Full Name
1	DA004-DNT/A05/137	4135	Manikanta.Bheemavarapu (manikanta.b)
2	DA004-DNT/A05/137	4135	Ramanjaneyulu Gadiparthi (ramanjaneyulu)

Result Sign Off		
	Sign Off Date	Sign Off Reason
1	03-12-2025 09:58:06 IST	Sign Off Level 1, Reason: Data Submitted for review
2	03-12-2025 10:02:54 IST	Sign Off Level 2, Reason: Review

System Name NAL_ARD_HPLC_03

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)
Report Method: General Report_01_DNT_
Report Method ID: 4088
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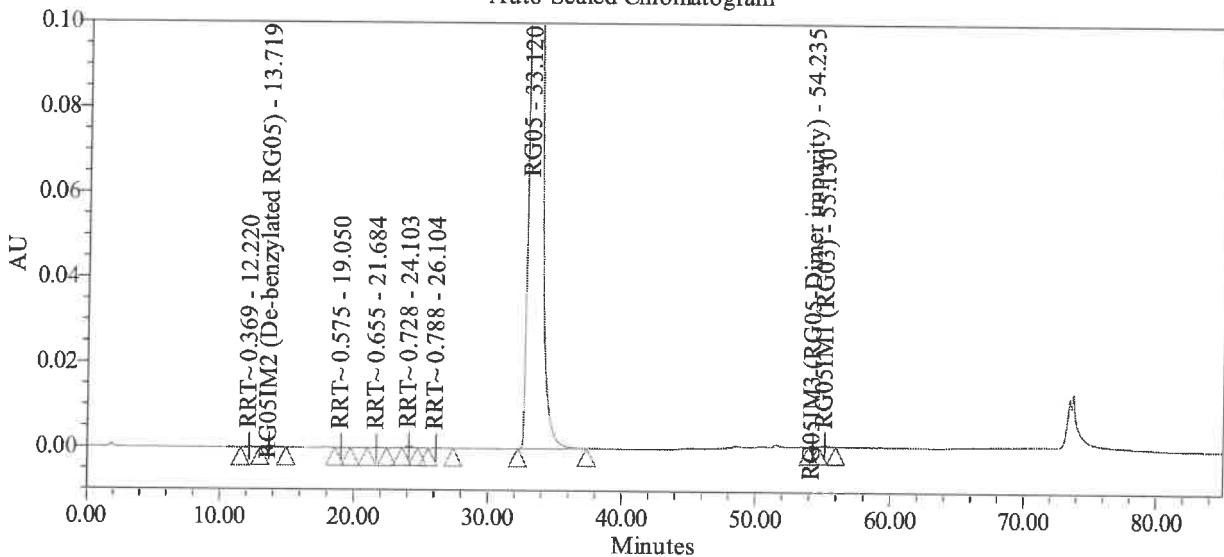
Project Name: 2025\November\NAL_ARD_HPLC_03
Date Printed:
03-12-2025
10:08:07 Asia/Kolkata

Issued by:R.Vasudha,Issued date:03/12/2025

SAMPLE INFORMATION

Sample Name:	DA004-DNT/A05/138	Acquired By:	Raju
Sample Type:	Unknown	Sample Set Name:	28112025_DNT_HPLC_03_S001
Vial:	1:A,6	Acq. Method Set:	DNT A05 Customer M001 MTH
Injection #:	1	Processing Method:	03122025_HPLC_03_DNT_P002
Injection Volume:	10.00 ul	Channel Name:	W2489 ChA
Run Time:	85.0 Minutes	Proc. Chnl. Descr.:	W2489 ChA 225nm
Date Acquired:	28-11-2025 15:34:42 IST	Column ID:	NAL-ARD-LC-2025-019
Date Processed:	03-12-2025 09:54:56 IST	AR.Number	COA/2511/023
Batch Number:	DA004-DNT/A05/138	Instrument ID:	NAL_ARD_HPLC_03

Auto-Scaled Chromatogram



AR_Number COA/2511/023; Batch_Number DA004-DNT/A05/138; Processed Channel Descr. W2489 ChA 225nm; Processed By Manikanta.B/Analyst; Result # 1; Result Id 4141

Peak Results

Name	RT	Height (μ V)	Area	% Area	RT Ratio
1 RRT~0.369	12.220	214	5839	0.03	0.37
2 RG05IM2 (De-benzylated RG05)	13.719	438	13449	0.08	0.41
3 RRT~0.575	19.050	140	3953	0.02	0.58
4 RRT~0.655	21.684	96	3154	0.02	0.65
5 RRT~0.728	24.103	438	12464	0.07	0.73
6 RRT~0.788	26.104	86	3649	0.02	0.79
7 RG05	33.120	398786	17758937	99.70	1.00

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_

Date Printed:

Report Method ID: 4088

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Peak Results

	Name	RT	Height (μ V)	Area	% Area	RT Ratio
8	RG05IM3 (RG05-Dimer impurity)	54.235	202	3494	0.02	1.64
9	RG05IM1 (RG03)	55.130	220	7510	0.04	1.66

Result Sign Off

	SampleName	Result Id	Sign Off Full Name
1	DA004-DNT/A05/138	4141	Manikanta.Bheemavarapu (manikanta.b)
2	DA004-DNT/A05/138	4141	Ramanjaneyulu Gadiparthi (ramanjaneyulu)

Result Sign Off

	Sign Off Date	Sign Off Reason
1	03-12-2025 09:58:06 IST	Sign Off Level 1, Reason: Data Submitted for review
2	03-12-2025 10:02:54 IST	Sign Off Level 2, Reason: Review

System Name NAL_ARD_HPLC_03

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_

Date Printed:

Report Method ID: 4088

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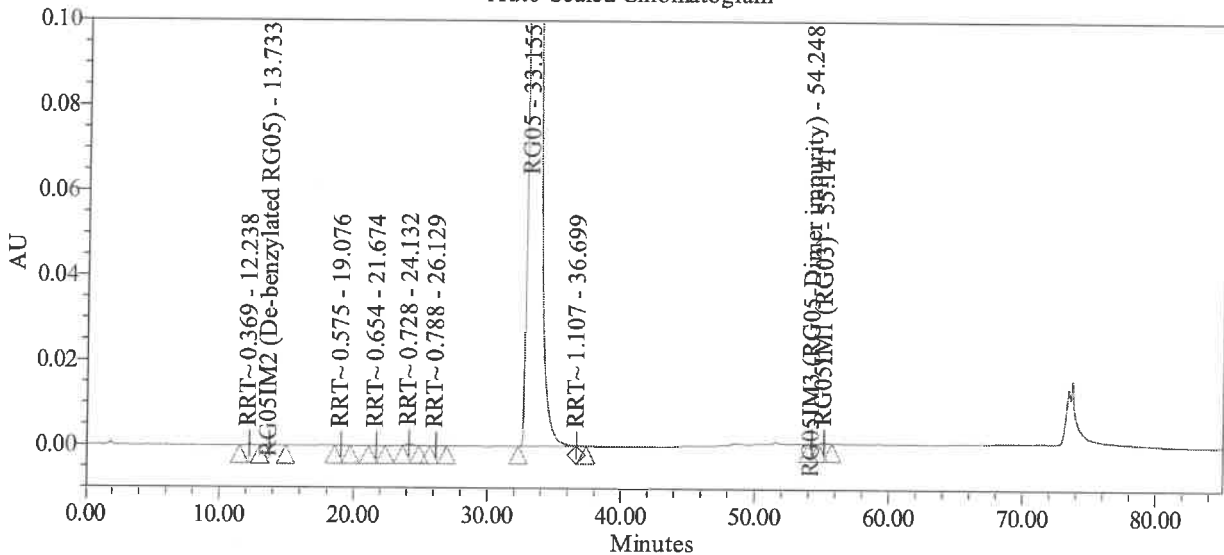
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SAMPLE INFORMATION

Sample Name:	DA004-DNT/A05/139	Acquired By:	Raju
Sample Type:	Unknown	Sample Set Name:	28112025_DNT_HPLC_03_S001
Vial:	1:A,7	Acq. Method Set:	DNT A05 Customer M001 MTH
Injection #:	1	Processing Method:	03122025_HPLC_03_DNT_P003
Injection Volume:	10.00 ul	Channel Name:	W2489 ChA
Run Time:	85.0 Minutes	Proc. Chnl. Descr.:	W2489 ChA 225nm
Date Acquired:	28-11-2025 17:00:26 IST	Column_ID:	NAL-ARD-LC-2025-019
Date Processed:	03-12-2025 09:55:05 IST	AR.Number	COA/2511/022
Batch Number:	DA004-DNT/A05/139	Instrument ID:	NAL_ARD_HPLC_03

Auto-Scaled Chromatogram



AR_Number COA/2511/022; Batch_Number DA004-DNT/A05/139; Processed Channel Descr. W2489 ChA 225nm; Processed By Manikanta.B/Analyst; Result # 1; Result Id 4147

Peak Results

	Name	RT	Height (μV)	Area	% Area	RT Ratio
1	RRT~0.369	12.238	224	6346	0.04	0.37
2	RG05IM2 (De-benzylated RG05)	13.733	303	9941	0.06	0.41
3	RRT~0.575	19.076	131	3667	0.02	0.58
4	RRT~0.654	21.674	86	2855	0.02	0.65
5	RRT~0.728	24.132	498	14555	0.08	0.73
6	RRT~0.788	26.129	77	2726	0.02	0.79
7	RG05	33.155	402222	17918388	99.70	1.00

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_

Date Printed:

Report Method ID: 4088

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Peak Results

	Name	RT	Height (μ V)	Area	% Area	RT Ratio
8	RRT~ 1.107	36.699	184	3442	0.02	1.11
9	RG05IM3 (RG05-Dimer impurity)	54.248	218	3958	0.02	1.64
10	RG05IM1 (RG03)	55.141	208	6272	0.03	1.66

Result Sign Off

	SampleName	Result Id	Sign Off Full Name
1	DA004-DNT/A05/139	4147	Manikanta.Bheemavarapu (manikanta.b)
2	DA004-DNT/A05/139	4147	Ramanjaneyulu Gadiparthi (ramanjaneyulu)

Result Sign Off

	Sign Off Date	Sign Off Reason
1	03-12-2025 09:58:06 IST	Sign Off Level 1, Reason: Data Submitted for review
2	03-12-2025 10:02:54 IST	Sign Off Level 2, Reason: Review

System Name NAL_ARD_HPLC_03

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_

Date Printed:

Report Method ID: 4088

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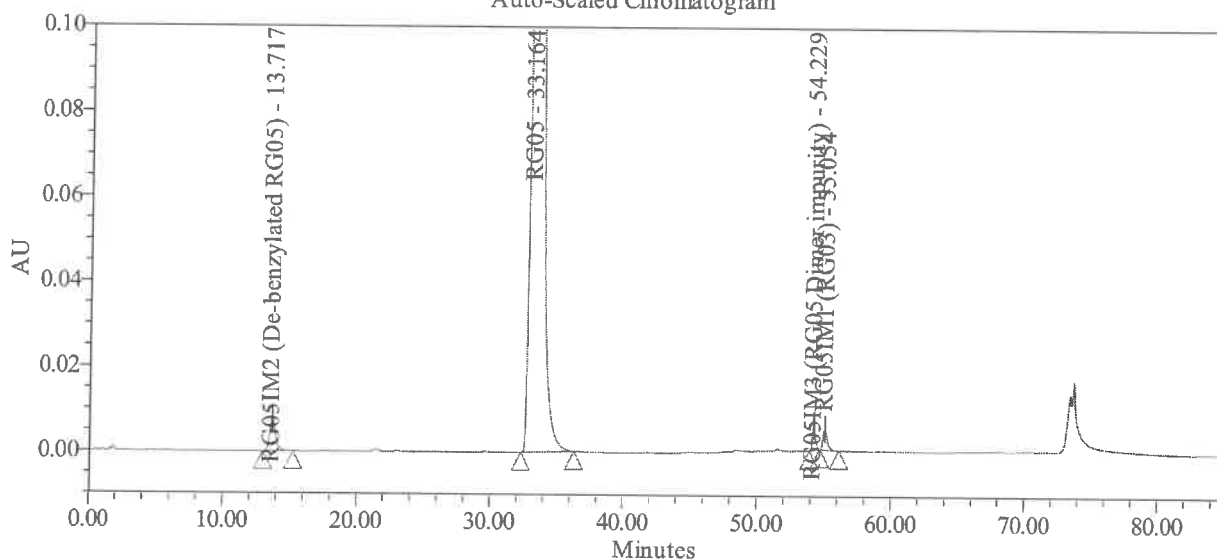
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SAMPLE INFORMATION

Sample Name:	DA004-DNT/A05 RT Marker BKT	Acquired By:	Raju
Sample Type:	Unknown	Sample Set Name:	28112025 DNT HPLC 03 S001
Vial:	1:A,2	Acq. Method Set:	DNT A05 Customer M001 MTH
Injection #:	1	Processing Method:	28112025_HPLC_03_DNT_P006
Injection Volume:	10.00 ul	Channel Name:	W2489 ChA
Run Time:	85.0 Minutes	Proc. Chnl. Descr.:	W2489 ChA 225nm
Date Acquired:	28-11-2025 18:26:10 IST	Column_ID:	NAL-ARD-LC-2025-019
Date Processed:	03-12-2025 09:49:56 IST	AR.Number	NA
Batch Number:	DA004-DNT/A05 RT Mar	Instrument ID:	NAL_ARD_HPLC_03

Auto-Scaled Chromatogram



AR_Number NA; Batch_Number DA004-DNT/A05 RT Mar; Processed Channel Descr. W2489 ChA 225nm;
Processed By Manikanta.B/Analyst; Result # 1; Result Id 4129

Peak Results

	Name	RT	Height (μ V)	Area	% Area	RT Ratio	USP Tailing	USP Plate Count
1	RG05IM2 (De-benzylated RG05)	13.717	7544	229100	1.23	0.41	1.3	5006
2	RG05	33.164	405742	18132677	97.65	1.00	1.7	13315
3	RG05IM3 (RG05 Dimer impurity)	54.229	5817	98806	0.53	1.64	1.3	227011
4	RG05IM1 (RG03)	55.054	4897	108852	0.59	1.66	1.6	147763

Result Sign Off

	SampleName	Result Id	Sign Off Full Name
1	DA004-DNT/A05 RT Marker BKT	4129	Manikanta.Bheemavarapu (manikanta.b)

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_SST_

Date Printed:

Report Method ID: 4089

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Result Sign Off		
	SampleName	Result Id
		Sign Off Full Name
2	DA004-DNT/A05 RT Marker BKT	4129 Ramanjaneyulu Gadiparthi (ramanjaneyulu)

Result Sign Off		
	Sign Off Date	Sign Off Reason
1	03-12-2025 09:58:06 IST	Sign Off Level 1, Reason: Data Submitted for review
2	03-12-2025 10:02:54 IST	Sign Off Level 2, Reason: Review

System Name NAL_ARD_HPLC_03

Reported by User: Manikanta.Bheemavarapu (Manikanta.B)

Project Name: 2025\November\NAL_ARD_HPLC_03

Report Method: General Report_01_DNT_SST_

Date Printed:

Report Method ID: 4089

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Issued by:R.Vasudha,Issued date:03/12/2025