

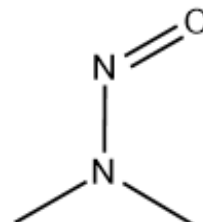
Certificate of Analysis

Catalogue Number

KL-06-00146

Lot Number

KLP0009AH01

Structure

Product Name

N-Nitrosodimethylamine

Synonyms

NDMA

CAS Number

62-75-9

Molecular Formula
 $C_2H_6N_2O$
Molecular Weight

74.08 g/mol

Mfg. Date

05-08-2025

Re-Test Date

03-08-2028

Shipping Condition

All Product are stable to be shipped at room temperature, unless otherwise specified.

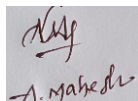
Long Term Storage Conditions

2°C ~ 8°C Protected from light and Sealed

Analytical Information

Test	Specifications	Results
Appearance	Pale-Yellow liquid	Pale-Yellow liquid
Solubility	Soluble in Chloroform, Methanol	Conforms
Purity by HPLC	Not less than 90.00%	99.25%
Identification by 1H NMR	Conforms to structure	Complies
Identification by Mass	Conforms Molecular Weight	Complies
Identification by IR	Conform functional groups	Complies
Moisture Content	Not specified	0.380%
Potency	Not specified	98.87%

Prepared by



Reviewed & Approved by



Note: Use for research & analytical purpose only. Not for human consumption

Kaaris Research Labs Private Limited, Shed No. 2B at Plot No.22, Road No. 17, IDA, Nacharam, Hyderabad-500 076

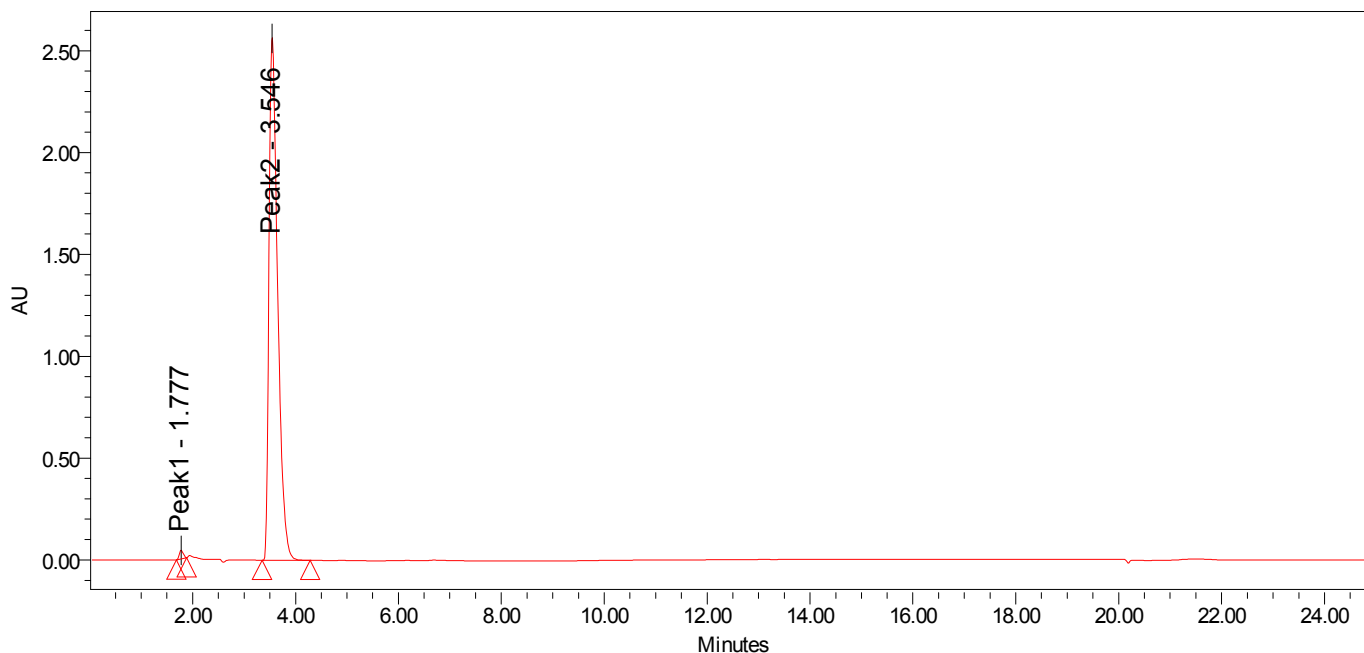
sales@kaarislabs.com, www.kaarislabs.com An ISO 9001-2015 Certified Company

SAMPLE INFORMATION

Sample Name:	KLP0009AH01	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	05082025002_RS_BY HPLC
Vial:	57	Acq. Method Set:	ACCU_GEN_HPLC_METHOD
Injection #:	1	Processing Method:	ACCU_GEN_PROCESS_METHOD
Injection Volume:	10.00 ul	Channel Name:	225.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	W2996 PDA 225.0 nm (PDA
Date Acquired:	8/5/2025 8:30:32 PM IST		
Date Processed:	8/5/2025 9:42:16 PM IST		

COLUMN :- NEUROSIL C18 (4.6*150mm , 5µm)

Auto-Scaled Chromatogram



Peak Results

Peak	Retention Time (min)	Area	Height	Width
Peak1	1.777	42539	227132	0.75
Peak2	3.546	2569219	30130291	99.25

04-Aug-2025

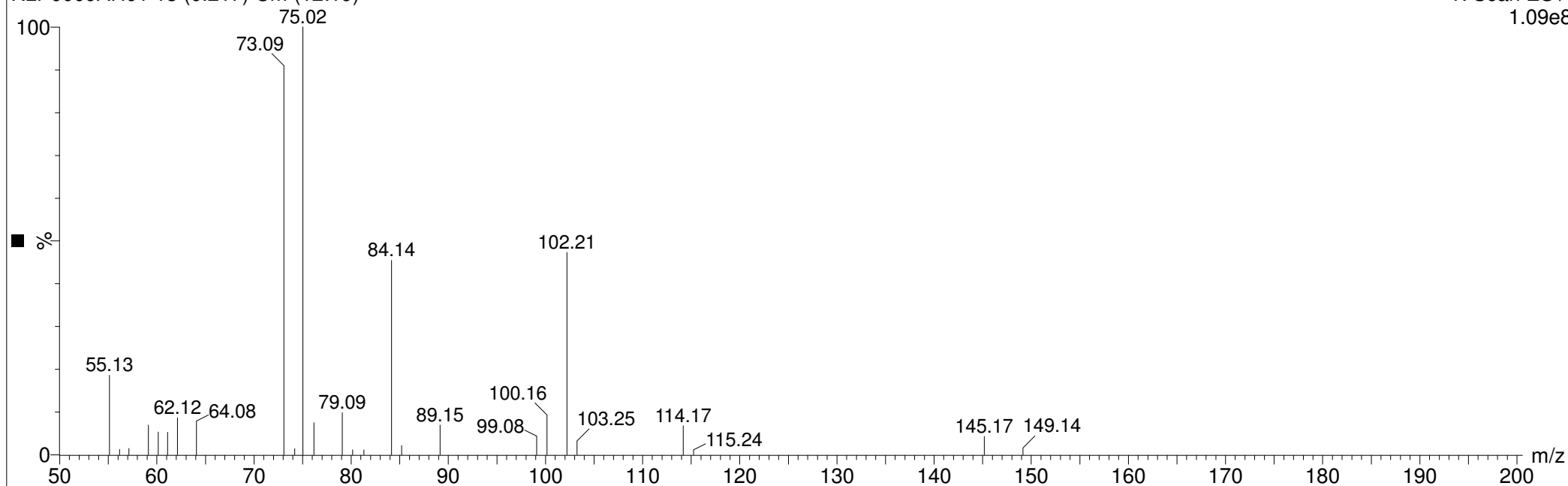
13:32:28

1: Scan ES+

1.09e8

KLP0009AH01

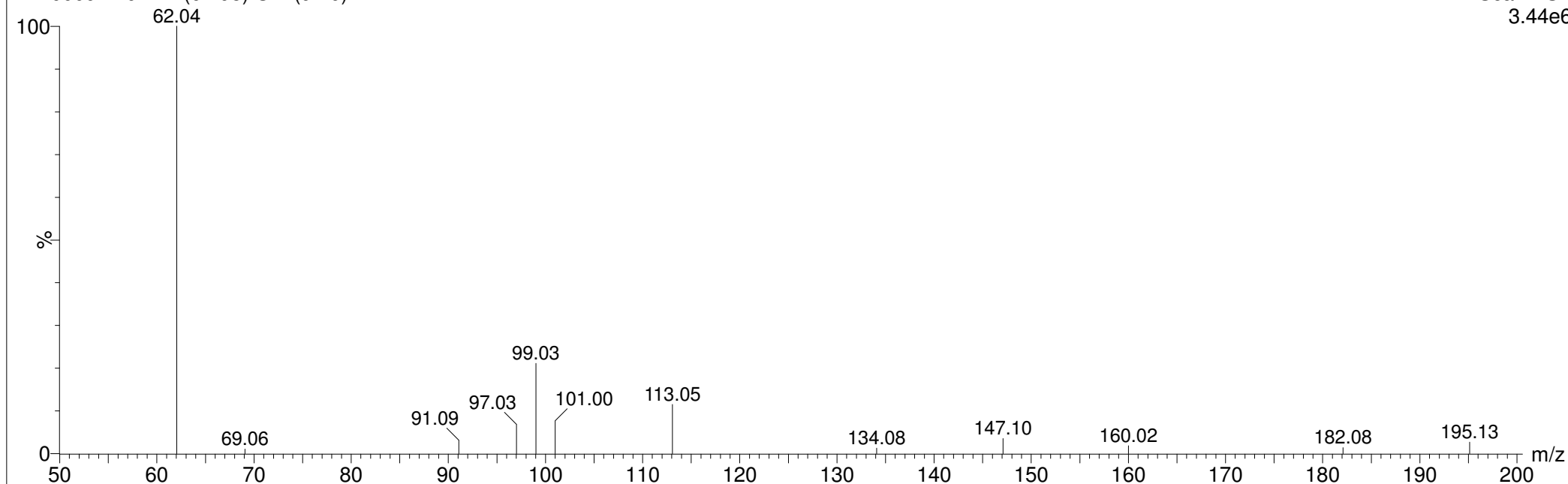
KLP0009AH01 13 (0.217) Cm (12:19)



KLP0009AH01 17 (0.295) Cm (9:20)

2: Scan ES-

3.44e6



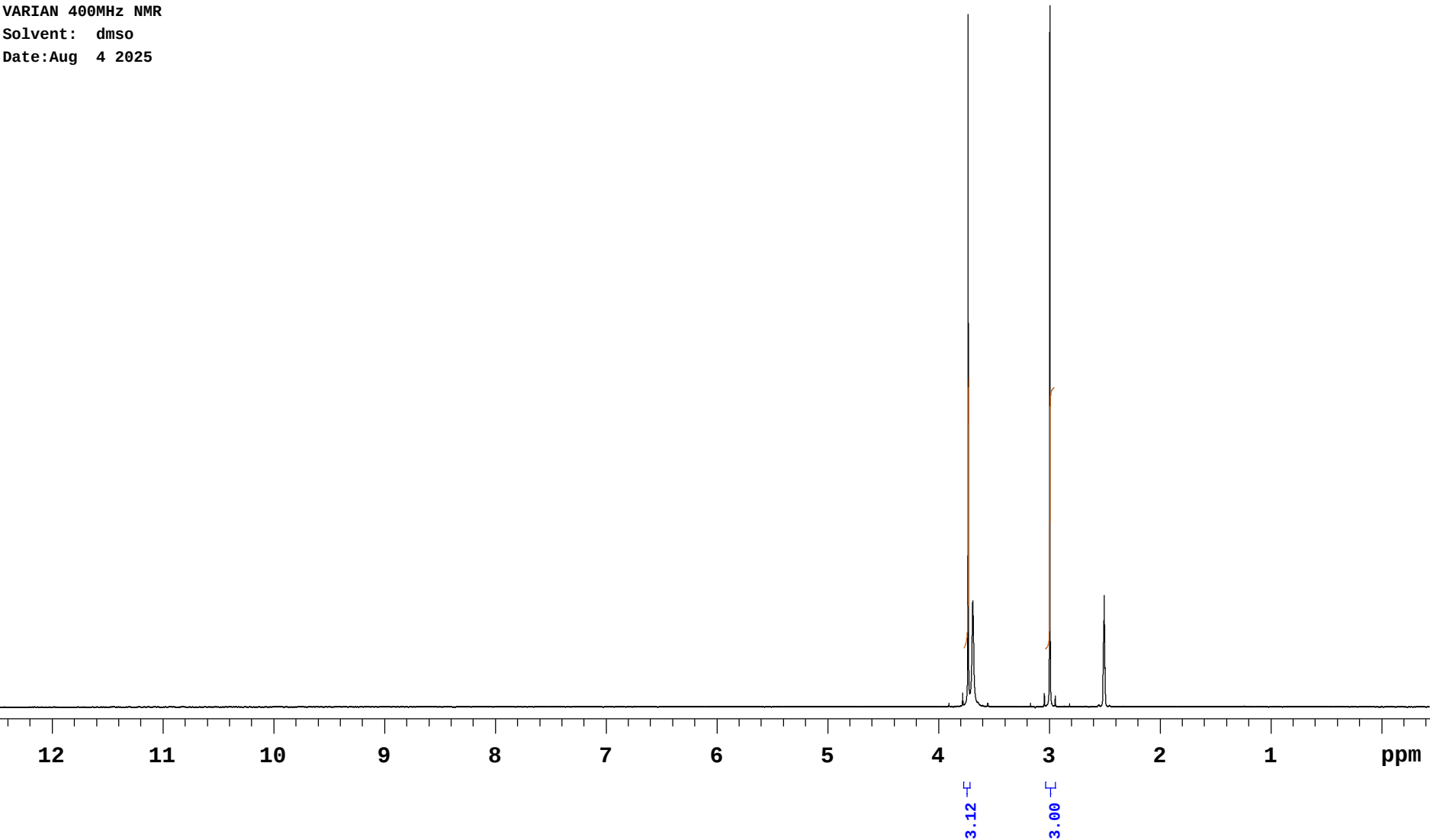
Sample code:KLP0009AH01

¹H NMR

VARIAN 400MHz NMR

Solvent: dms

Date:Aug 4 2025



Plotname: KLP0009AH01_PROTON_01_plot01

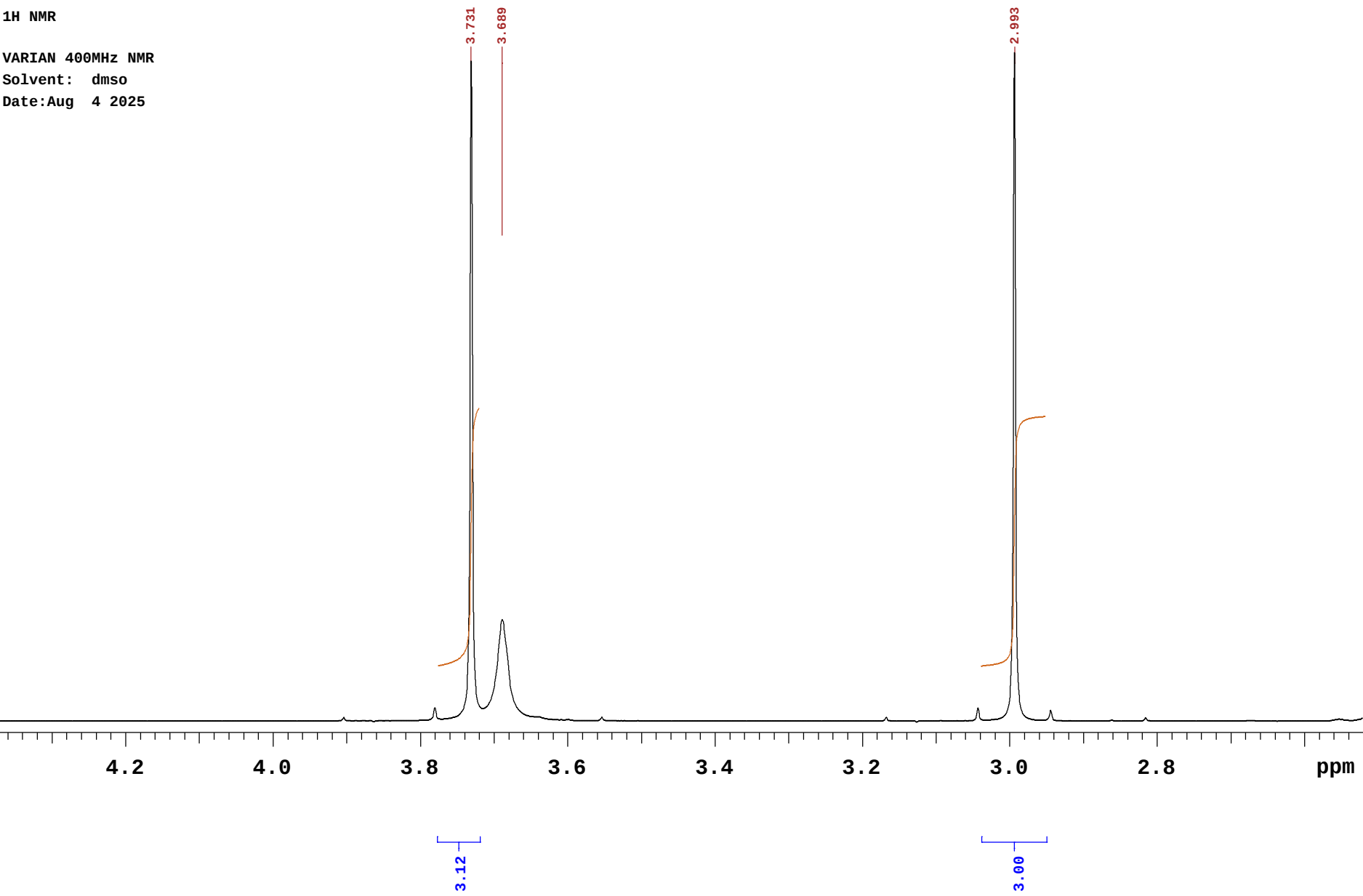
Sample code:KLP0009AH01

¹H NMR

VARIAN 400MHz NMR

Solvent: dmsd

Date:Aug 4 2025

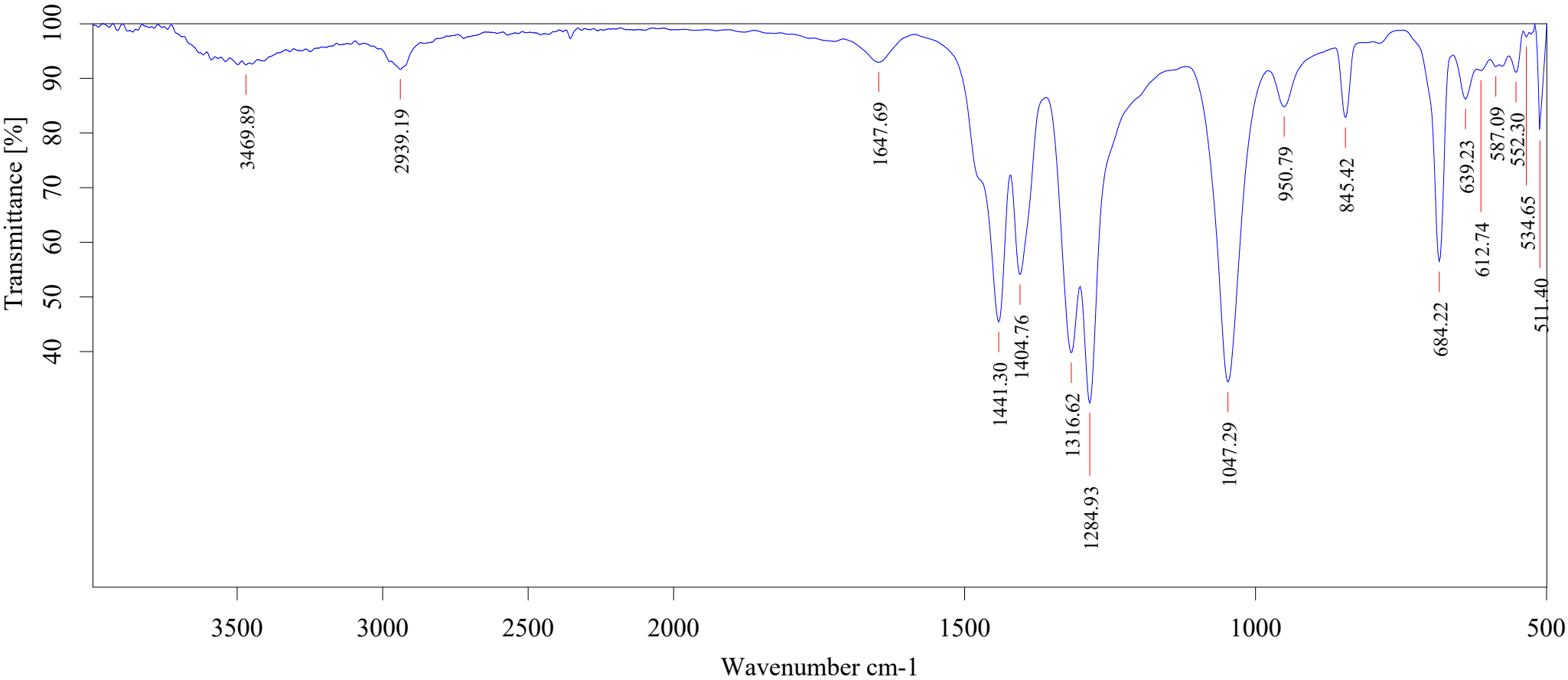


Plotname: KLP0009AH01_PROTON_01_plot02

Sample code:KLP0009AH01

1H NMR
VARIAN 400MHz NMR
Solvent: dmsd
Date:Aug 4 2025

INDEX	FREQUENCY	PPM	HEIGHT
1	1491.2	3.731	120.3
2	1474.4	3.689	18.5
3	1196.4	2.993	121.8
4	1004.1	2.512	7.0
5	1002.3	2.508	14.4
6	1000.6	2.503	19.4
7	998.6	2.498	14.2
8	996.9	2.494	6.8



Sample Name:KLP0009AH01

Experiment:IR-34.xpm

Lot No./Batch No:

Resolution:4

Date & Time:04-08-2025,15:56:41

Sample Scans:16

Operator Name:Accu Chemist

Frequency Range:4000 to 500

Analysed by:
Date:

Checked by:
Date:

"C:\Users\Public\Documents\Bruker\OPUS_8.7.31\MEAS\KLP0009AH01.0"

Peak Table TR

Peak Picking

Peak Picking	Values
Method:	Standard
Searched for minima:	Yes
Number of peaks:	17
Sensitivity > [%]:	5.000000
From:	3981.400000
to:	435.151766
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
3469.8892	0.925	0.058	534.9196	6.321009	0
2939.1905	0.917	0.079	131.1588	10.961277	0
1647.6894	0.930	0.052	55.6067	7.356217	0
1441.3006	0.454	0.416	32.4382	59.226990	0
1404.7646	0.540	0.222	22.9908	26.475409	0
1316.6191	0.397	0.125	15.9121	17.591885	0
1284.9271	0.305	0.695	69.5593	100.026085	0
1047.2919	0.344	0.587	44.4919	83.244781	0
950.7948	0.848	0.076	27.3573	9.545757	0
845.4233	0.828	0.133	15.8269	18.424175	0
684.2194	0.564	0.427	19.1535	61.076824	0
639.2299	0.862	0.089	22.5192	11.599756	0
587.0895	0.921	0.015	20.4902	6.976918	0
552.2969	0.911	0.047	346.1618	15.728639	0
511.3972	0.804	0.160	8.7808	65.717751	0
534.6502	0.976	0.014	871.3246	5.641311	0
612.7403	0.914	0.006	46.7080	0.680251	0

MC-TESTREPORT

SampleName	KLP0009AH01
TestParameter	MC
DateofAnalysis	2025-08-06

S.No	BatchNumber	Results
1	KLP0009AH01	0.38%

