NK Chem
QUALITY IN EVERY MOLECULE

Certificate of Analysis

Acetonitrile GC Standard
Product No.: NKC0015

Product Information	
Cas No.:	75-05-8
Molecular Formula:	CH3CN
Molecular Weight:	41.05 g/mol.
Grade:	GC Standard.
Storage:	Room Temperature
MFG Date:	Jan-2026.
EXP Date:	Jan-2031.
Batch No.:	NK0J401333.

Test	Specification	Result
Description	A Clear, Colourless Liquid	A Clear, Colourless Liquid
Purity By GC	NLT 99.0%	100.0%
Density	0.78–0.79 g/mL	0.786 g/ml
Identification by MASS	Conforms to Molecular mass.	Complies
Identification by IR	Conforms to structure.	Complies
Identification by 1H NMR	Conforms to structure.	Complies.

- The product complies with the prescribed standards of quality
- The product has been tested by the Quality Control Laboratory of N K Chem to the above specifications
- This is Electronic Generated Specification do not require signature

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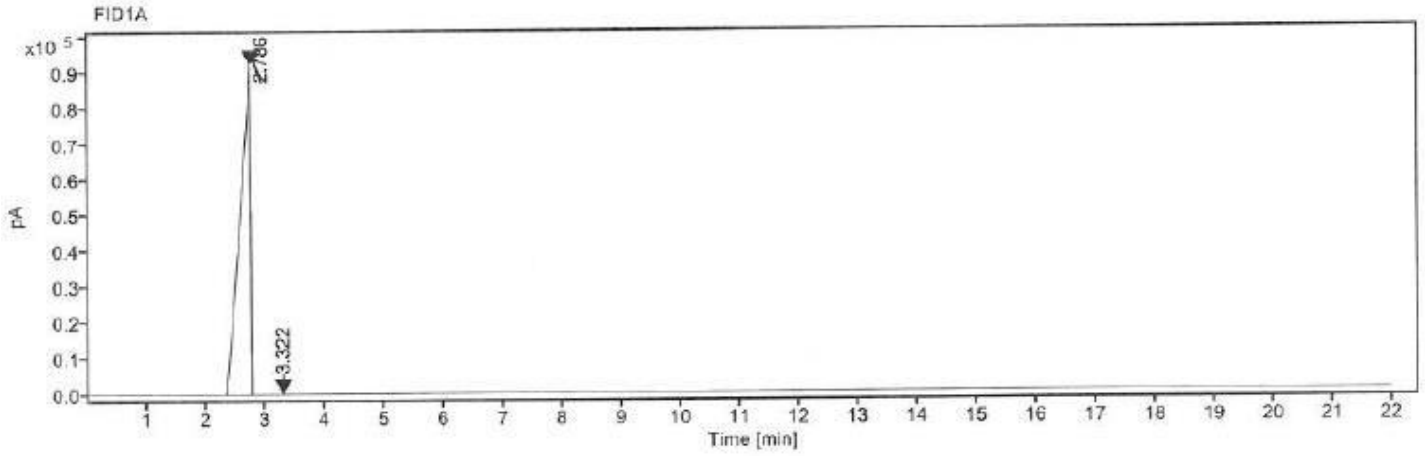
SHOP NO 21, GROUND FLOOR, SHRI SHARAN BUSINESS PARK, PANCHRATNA INDUSTRIAL ESTATE, CHANGODAR, AHMEDABAD - 382213 Gujarat

Data file:	NK0J401333.dx		
Sample name:	NK0J401333	**Project Name:**	February
Instrument ID:	GCHS-01	**Operator:**	ADMIN (ADMIN)
Inj. volume (uL):	2.500	**Injection date:**	2026-02-02 23:54:12+05:30
Vial No.:	104		
Acq. method:	ALS_250.amx		
Processing method:	*GC_LC Area Percent_DefaultMethod.pmx		

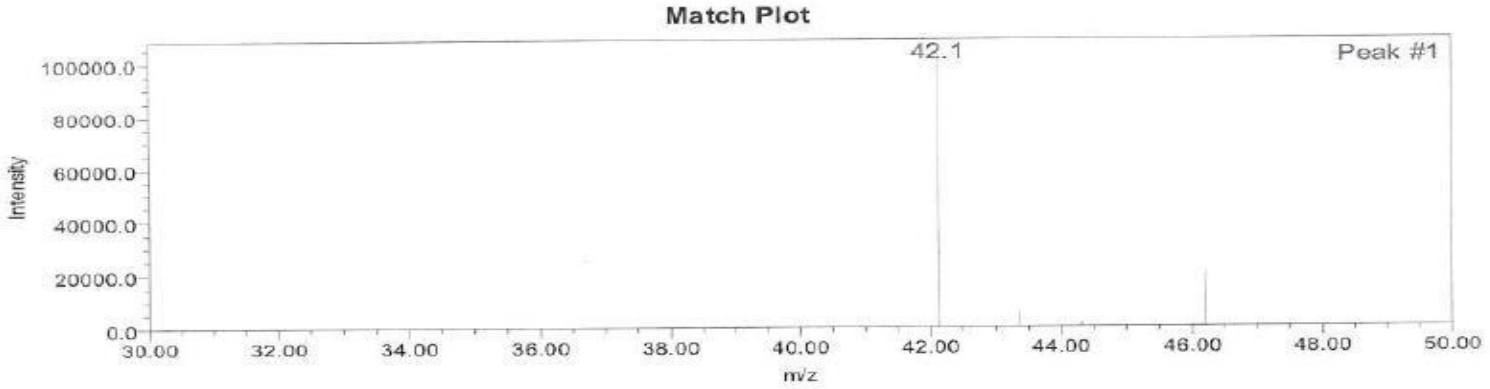


Signal: FID1A

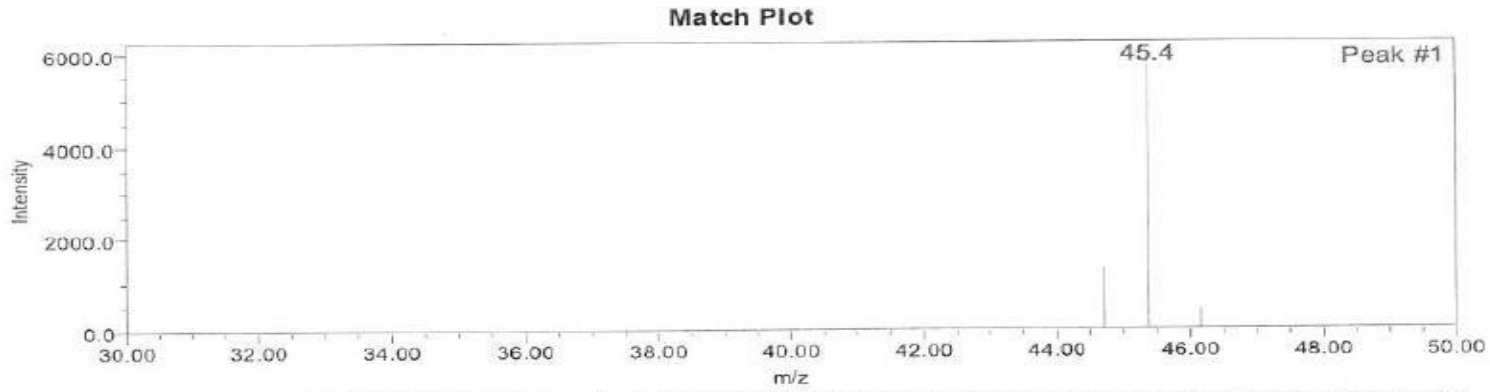
Sr.No.	RT [min]	Area	Height	Peak Area Percent
1	2.786	1131732.13	92114.885	100.00
2	3.322	11.01	9.216	0.00

SAMPLE INFORMATION

Sample Name:	NK0J401333	Acquired By:	System
Sample Type:	Unknown	Date Acquired:	03-02-2026 13:54:36 IST
Injection Volume:	8.00 ul	Acq. Method Set:	Mass Analysis_30_200
Run Time:	1.0 Minutes	Date Processed:	04-02-2026 15:15:52 IST,

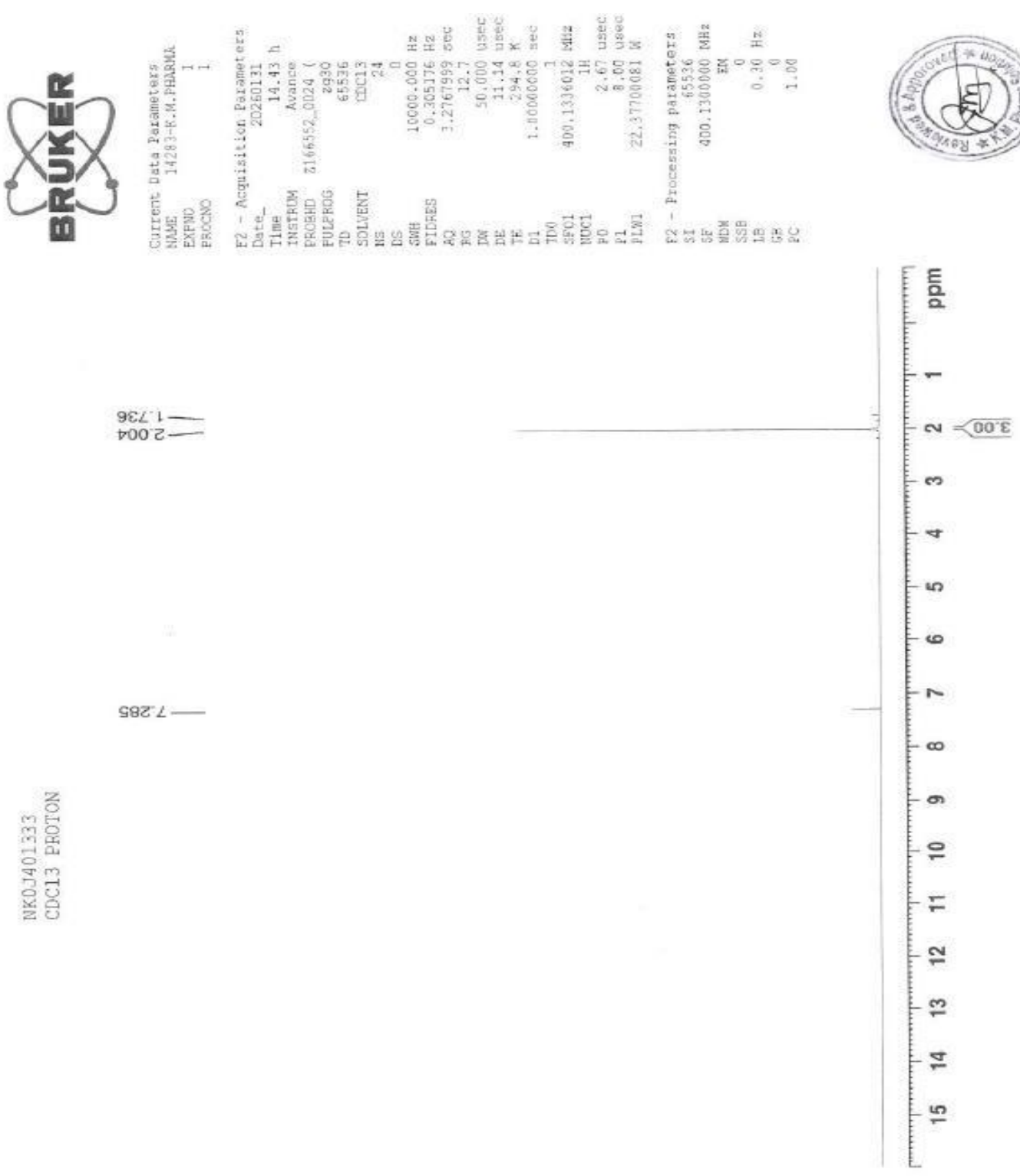


Name: SampleName: NK0J401333 Date Acquired: 03-02-2026 13:54:36 IST Channel Description 2: QDa Positive(+) Scan (30.00-200.00)Da, Centroid, CV=10



Name: SampleName: NK0J401333 Date Acquired: 03-02-2026 13:54:36 IST Channel Description 5: QDa Negative(-) Scan (30.00-200.00)Da, Centroid, CV=10

Sr No	M/Z	Fragment
1	42.1	M+1



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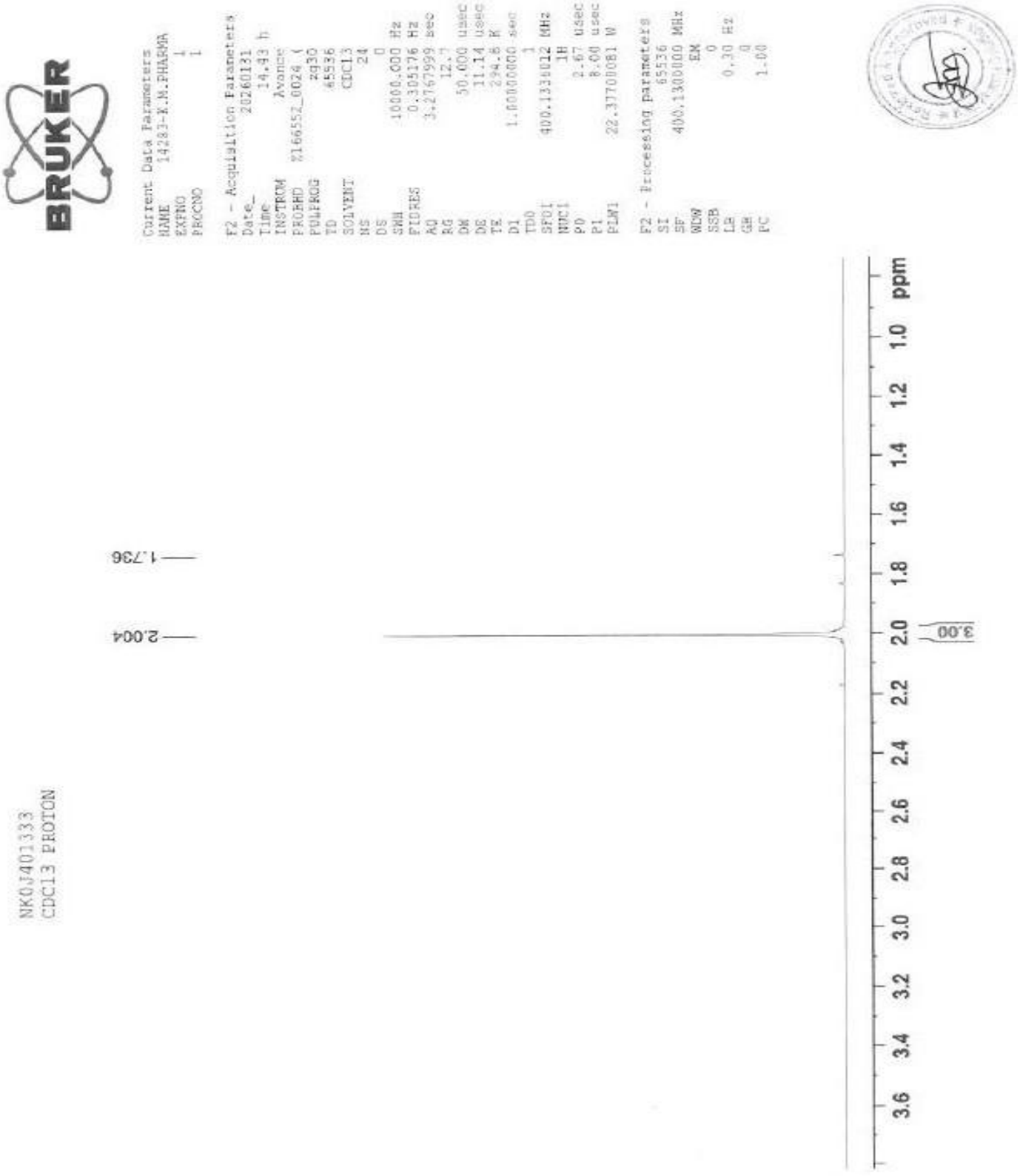

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Proton NMR Interpretation Table

δ (ppm)	Multiplicity	Integration	Assignment	Interpretation
~2.00–2.04	Singlet (s)	3H	$-CH_3$ (methyl group)	Methyl group attached to an electron-withdrawing group (e.g., –C≡N or carbonyl-like environment)
~7.26	Singlet (s)	—	Residual solvent	$CDCl_3$ peak

Chemical Formula : CH3CN

Conclusion: The structure is confirmed with the signals of spectrum and their interpretation

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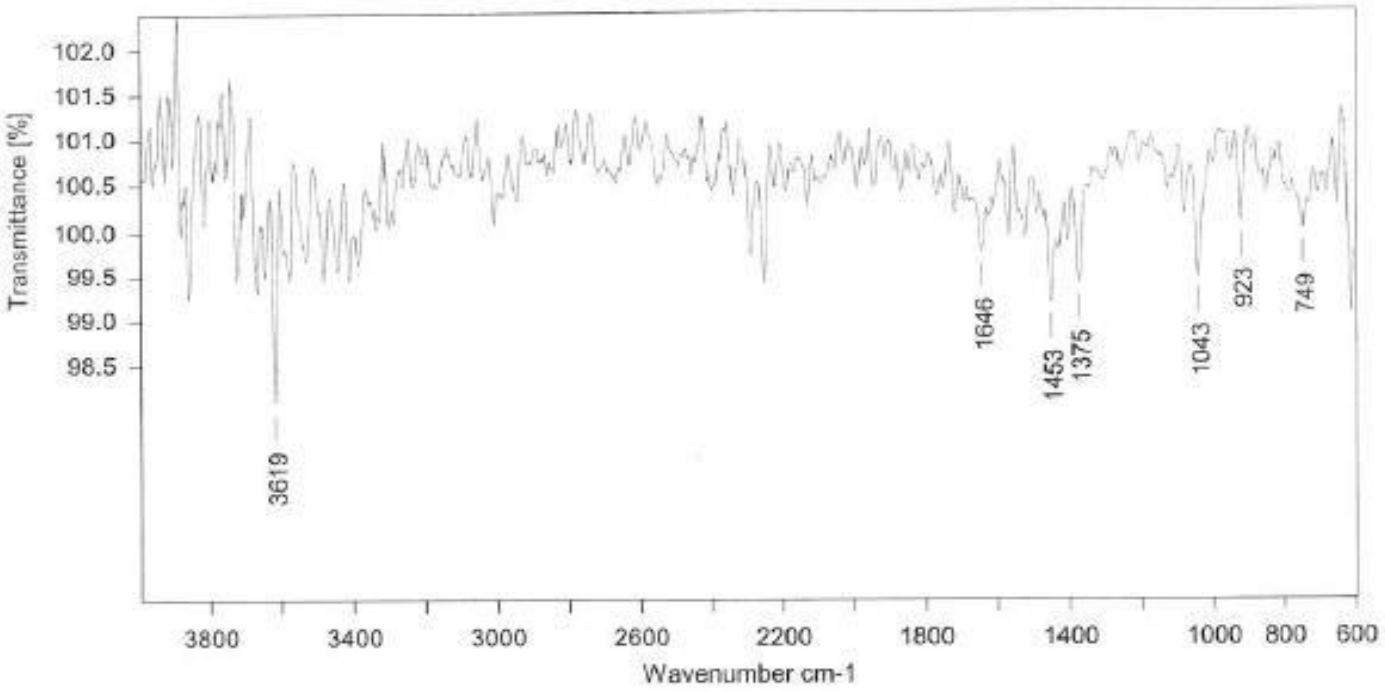
Batch No.: NK0J401333

Measurement Date & Time : 03-02-2026 10:07:32



Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold <	Shoulder
3619.2045	0.981	0.041	22.0745	75.695518	0
1375.3165	0.994	0.011	18.4310	69.694534	0
1645.7169	0.998	0.012	75.8080	114.686630	0
1452.9340	0.992	0.021	58.3915	157.129318	0
1042.6077	0.995	0.017	26.2613	98.945366	0
922.7223	1.001	0.010	17.0565	97.530235	0
748.7158	1.000	0.012	87.9637	121.593292	0