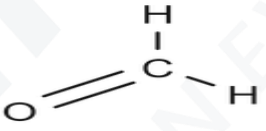
NK Chem
QUALITY IN EVERY MOLECULE

Certificate of Analysis

Formaldehyde GC Standard
Product No.: NKC0277

Product Information	
Cas No.:	50-00-0
Molecular Formula:	HCHO
Molecular Weight:	30.03 g/mol.
Grade:	GC Standard.
Storage:	Room Temperature
MFG Date:	Feb-2026.
EXP Date:	Feb-2031.
Batch No.:	NKCF23M067.

Test	Specification	Result
Description	A Clear, Colorless Liquid	A Clear, Colorless Liquid
Purity By GC	37-41%	38.72%
WEIGHT PER ML AT 20° C	1.090 - 1.120 g/ml	1.1004 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.



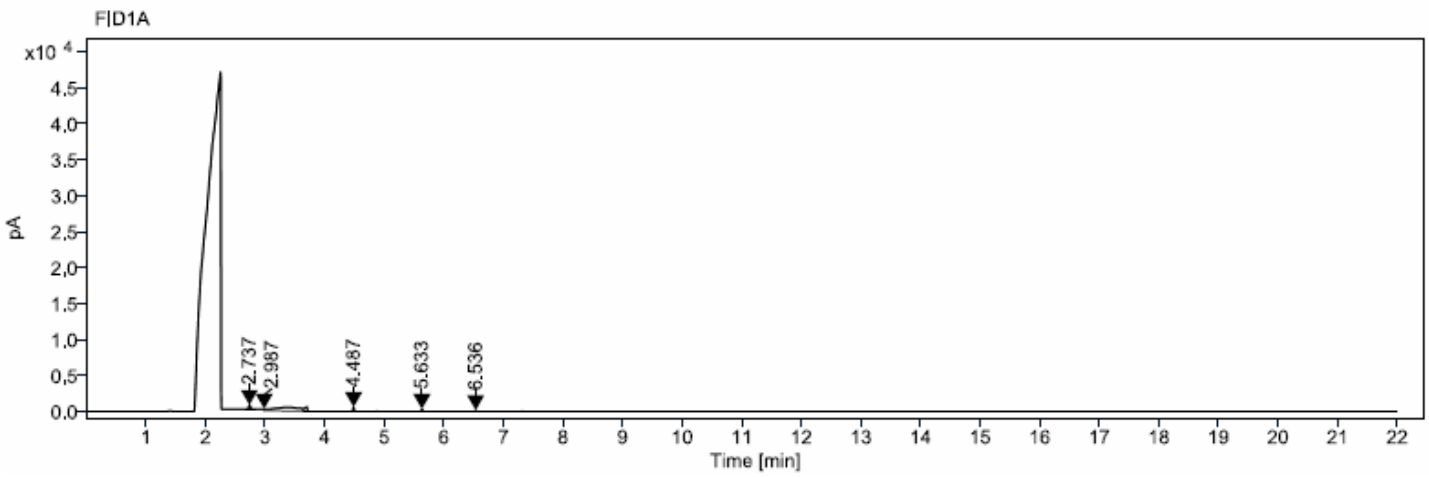
- The product complies with the prescribed standards of quality
- The product has been tested by the Quality Control Laboratory of N K Chem to the above specifications
- This is Electronic Generated Specification do not require signature

Email: n.k.chem25@gmail.com | M. : 8460332820 , 9016618537

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

K. M. Pharma Solution Pvt. Ltd.

Data file:	NKCF23M067.dx		
Sample name:	NKCF23M067	**Project Name:**	April-2026
Instrument ID:	GCHS-01	**Operator:**	ADMIN (ADMIN)
Inj. volume (uL):	1.000	**Injection date:**	2026-04-02 14:30:37+05:30
Vial No.:	102		
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	2,737	1191,71	604,814	6,35
2	2.987	16392.33	240.401	87.37
3	4,487	725,09	606,183	3,86
4	5,633	326,22	330,467	1,74
5	6.536	127.58	127.389	0.68

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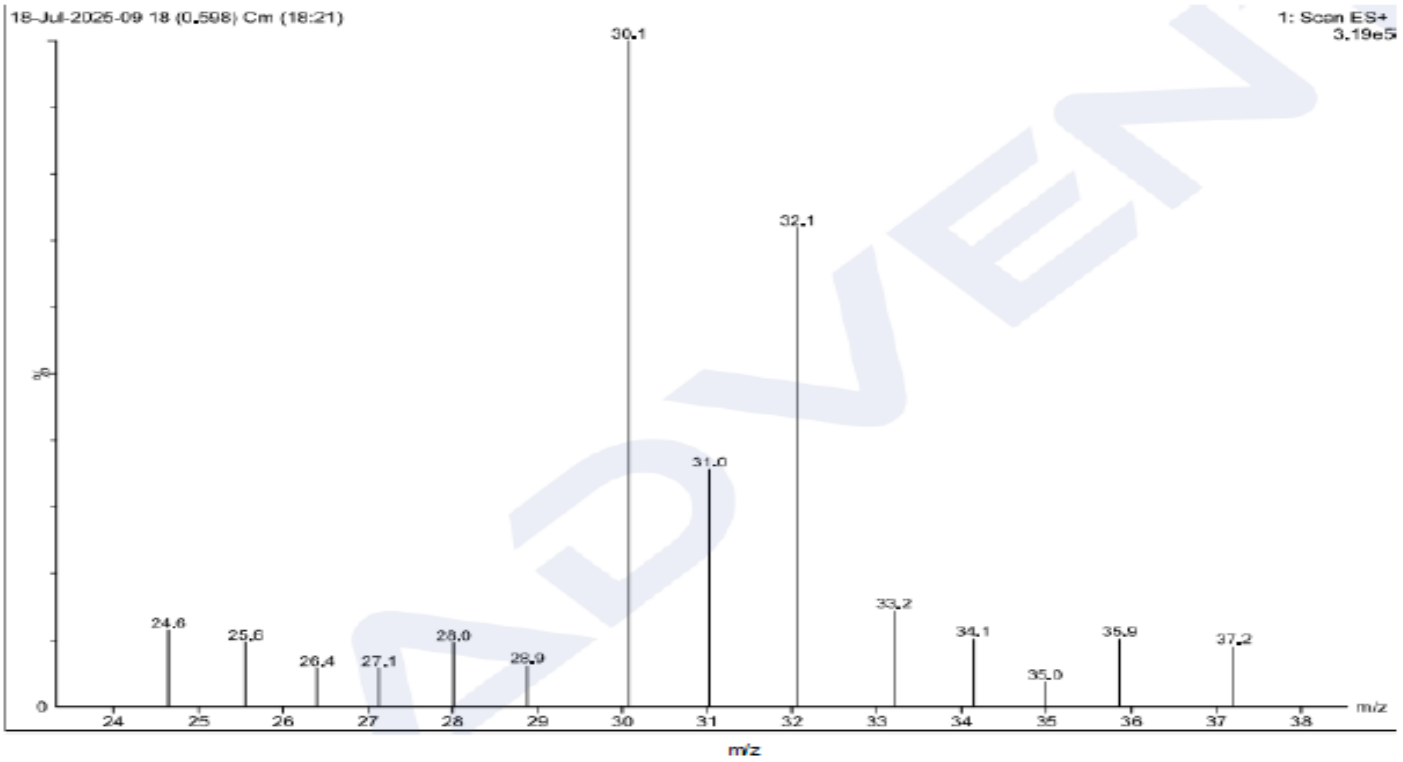
Empower 3

K M Pharma Solution

SAMPLE INFORMATION

Sample Name:	NKCF23M067	Acquired By:	System
Sample Type:	Unknown	Date Acquired:	03-04-2026 13:59:54 IST
Injection Volume:	6.00 ul	Acq. Method Set:	Mass Analysis_30_200
Run Time:	1.0 Minutes	Date Processed:	06-04-2026 12:21:39 IST,



Name: SampleName: NKCF23M067 Date Acquired: 03-04-2026 13:59:54 IST Channel Description 5: QDa Negative(-) Scan (30.00-1200.00)Da, Centroid, CV=10

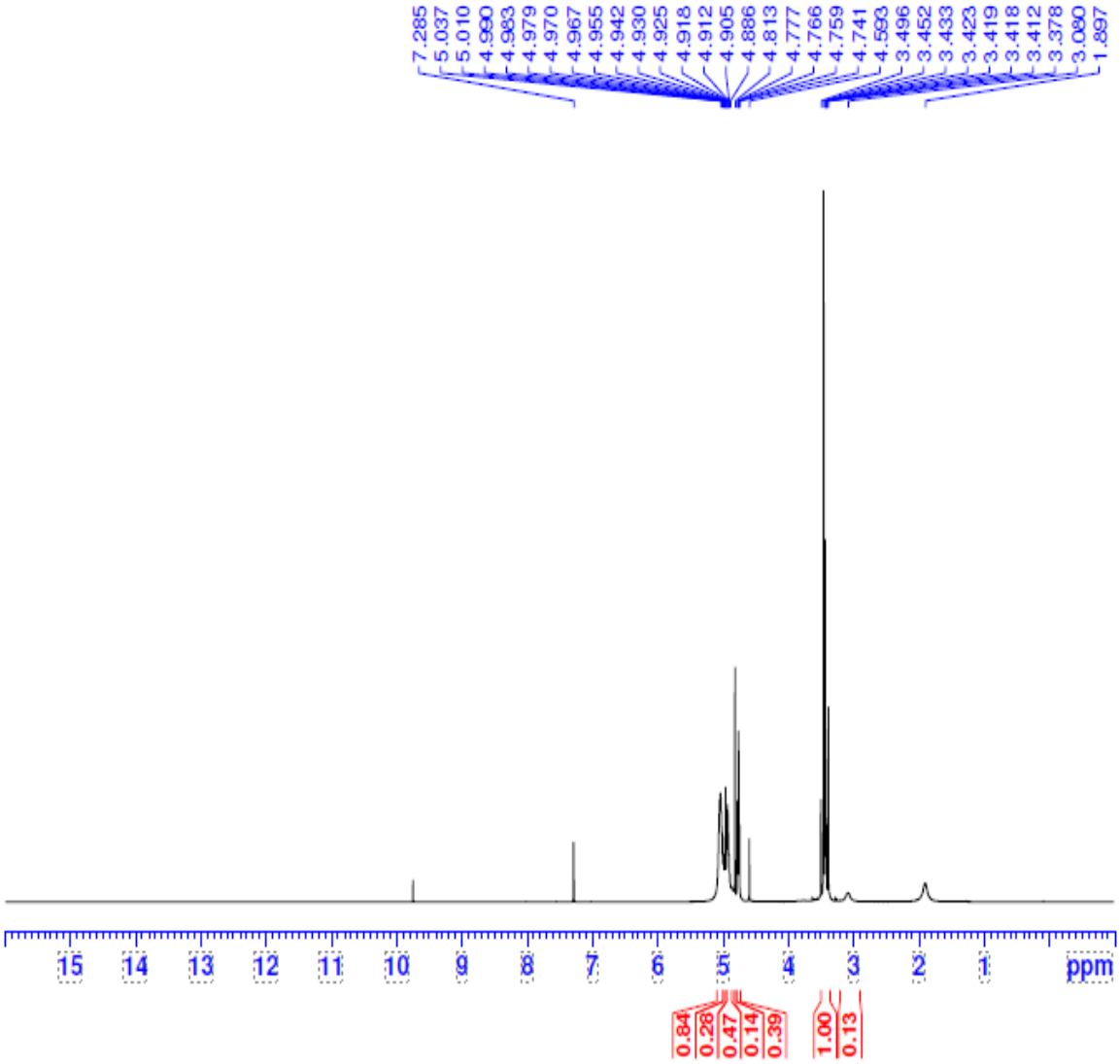
Reported by User: System
Report Method: Mass Analysis
Report Method ID: 2817
Page: 1 of 1

Project Name: 2026\April

Sr No	M/Z	Fragment
1	30.1	M+1

Conclusion: The signal of the mass and their interpretation are consistent with the structural formula.

NKCF23M067
CDCl3 PROTON



BRUKER

Current Data Parameters
NAME 117-K.M.PHARMA
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20260402
Time 18.03 h
INSTRUM Avance
PROBHD Z166552_0024 (
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 24
DS 0
SWH 10000.000 Hz
FIDRES 0.305176 Hz
AQ 3.2767999 sec
RG 12.7
DW 50.000 usec
DE 11.14 usec
TE 296.6 K
D1 1.00000000 sec
TD0 1
SFO1 400.1336012 MHz
NUC1 1H
P0 2.67 usec
P1 8.00 usec
PLW1 22.37700081 W

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

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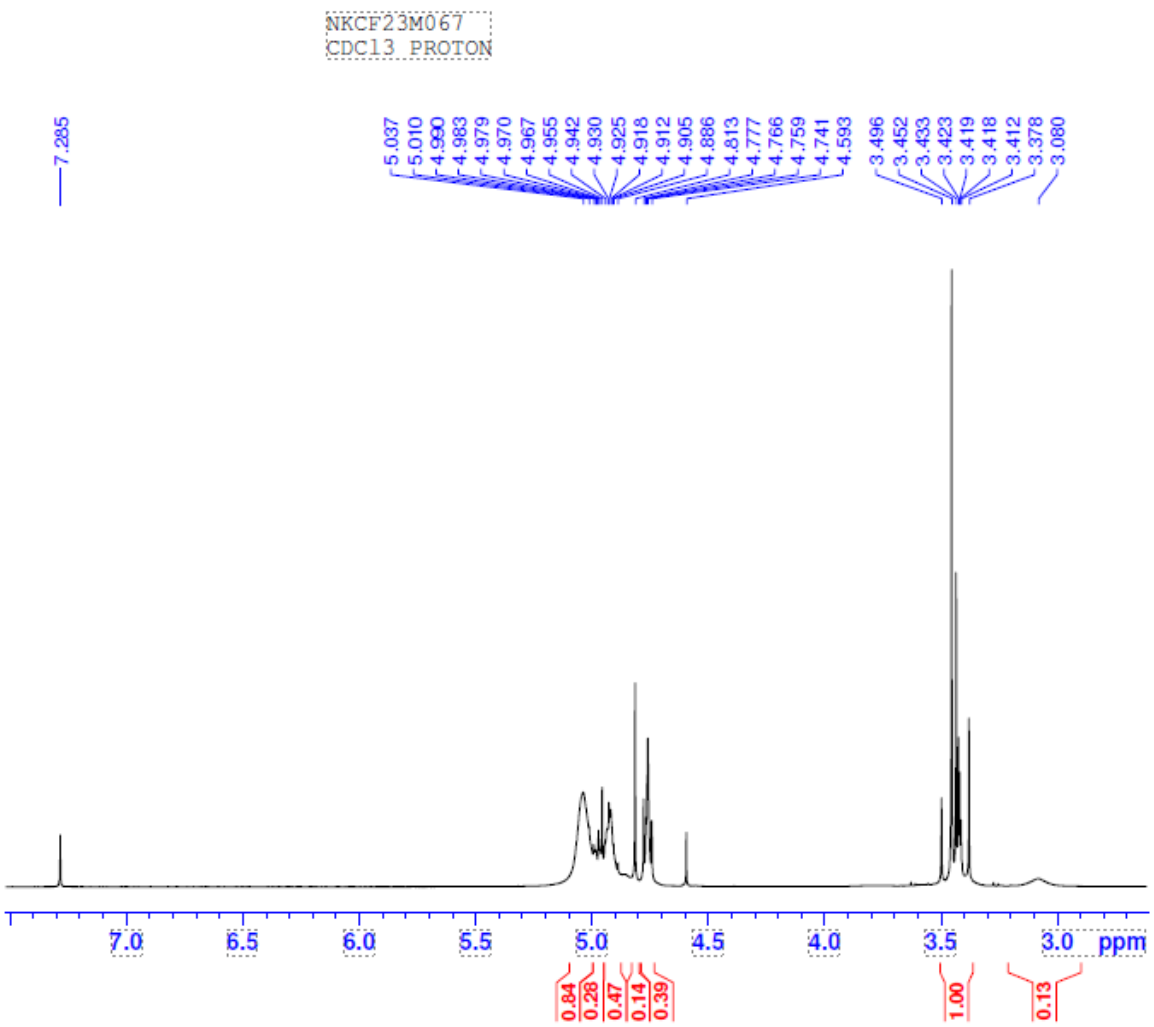

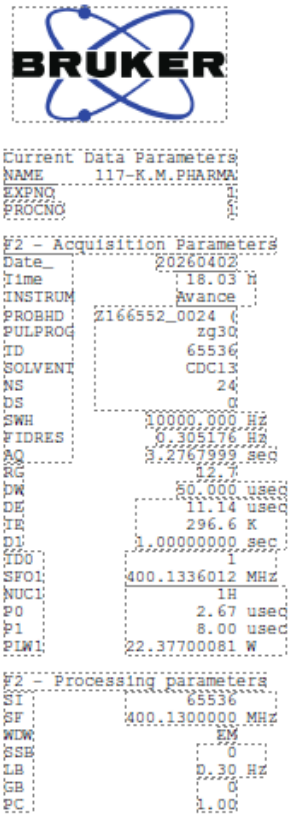

Proton Interpretation Table

δ (ppm)	Multiplicity	Integration (approx)	Assignment
7.26	s	—	Residual $CHCl_3$ (solvent)
5.03–4.75	m	~3–4H	**–CH / =CH / O–CH protons** (possibly attached to O or unsaturated system)
4.60–4.55	m	~1–2H	**O–CH / CH–X (X = O, N)**
3.50–3.35	strong m	~2–3H	**$–CH_2–O$ / $–CH_3$ near electronegative group**
~1.8–1.2	weak	~1–2H	Aliphatic CH_2/CH_3 (minor impurity or tail)

Chemical Formula : HCHO

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

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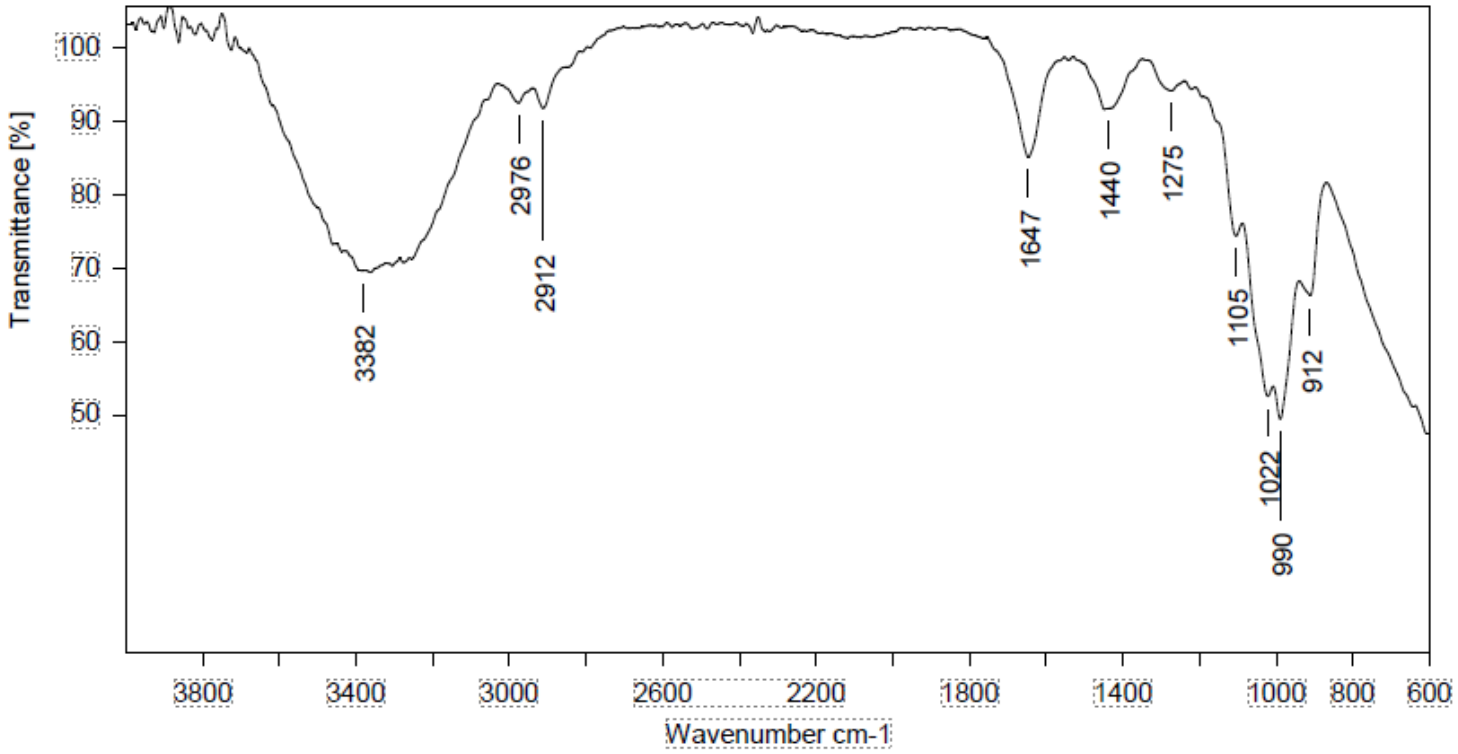
Batch No.: NKCF23M067

Measurement Date & Time : 03-04-2026 09:41:03



Wavenumber	Abs. intensity	Rel. intensity	Width	Found if threshold <	Shoulder
3382.3493	0.697	0.007	310.8883	2.703315	0
2912.0024	0.918	0.049	689.5941	58.980331	0
2975.6625	0.926	0.023	32.0296	60.567791	0
1646.7835	0.852	0.145	67.2741	92.746864	0
1439.7968	0.918	0.002	22.5778	0.205588	0
1275.1634	0.942	0.023	1759.0049	31.573101	0
989.7926	0.495	0.332	112.3016	171.084076	0
1022.1487	0.526	0.016	15.2539	5.063652	0
911.6151	0.663	0.074	186.0024	6.452155	0
1105.2357	0.744	0.021	18.1022	5.009481	0