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CERTIFICATE OF ANALYSIS

Product Name	N-Ethylaniline, Analytical standard		
Synonyms	N-Ethyl-N-phenylamine		
CAS No	103-69-5		
Product code	SYI0043	**Batch No**	LETBF0108
Molecular Formula	$C_8H_{11}N$	**Molecular Weight**	121.18
Mfg. Date	Jan-26	**Expiry Date**	Dec-28
Storage Conditions	Store at room temperature, tightly closed container		

Test	Specification	Results
Description	Colorless to Light yellow clear liquid	Light yellow clear liquid
Boiling Point	204 °C	204 °C
Specific Gravity at 20°C	0.96 g/ml	0.96 g/ml
Purity by GC	≥99.00%	99.79%
IR Spectrum	Identification by structure	Confirmed
1H NMR Spectra	Identification by structure	Confirmed
Mass Spectra	Identification by molecular weight	Confirmed

Reference to *USP* 30–*NF* 25 General Chapter <11>, "Reference Standards," As a result, noncompendial (secondary) reference standards require characterization data. This product should not use for clinical application.

Approved by
Dr. Gopinath PH. D

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Computer Generated document, Does not require any Signature.

Synthicure Laboratories LLP, 5-5-35/276A/NR, Sakthipuram Industrial Road, Prashanth Nagar, IDA Kukatpally, Hyderabad-500072 Telangana, India.

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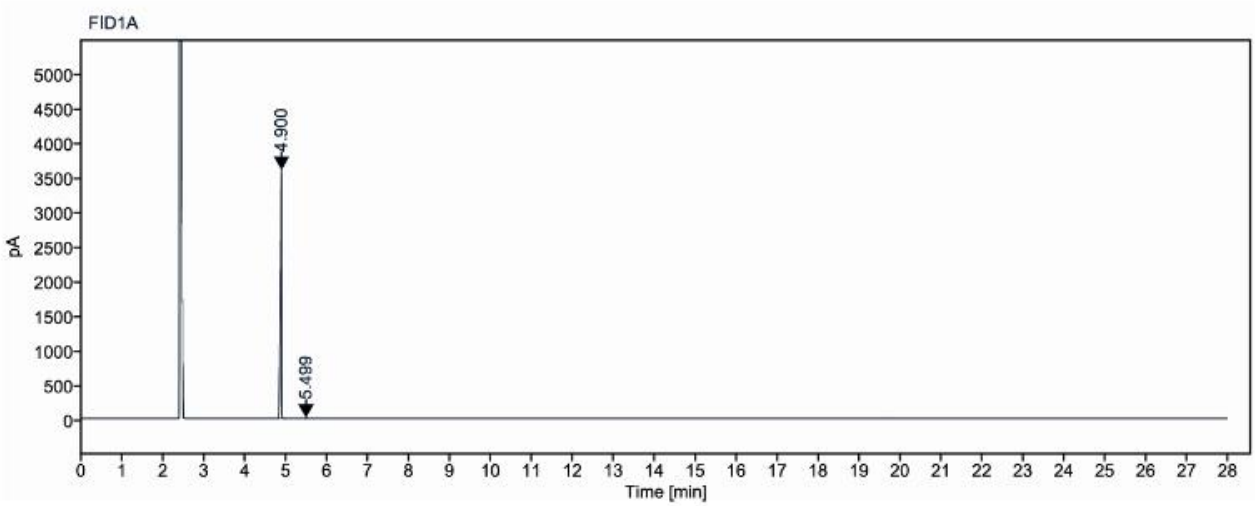
ANALYTICAL GC REPORT

Agilent

Data file:	LETBF0108.dx
Method Name:	HP-5-GENERAL-METHOD.amx
Sample Name:	LETBF0108
Injection Acquired Date	2026-01-09 09:12:57+05:30
Injection Processed Date	2026-01-09 10:20:26+05:30
Inj. volume:	0.500 µL
Vial Number:	106
Data File Directory:	/2026/JAN-2026/Results/09012026/20260109 074028002.rslt
Injection Column Name	HP-5
Instrument ID	SA/AD/INS/037



RT[MIN]	AREA	AREA %
4.900	8136.632	99.79
5.499	16.848	0.21

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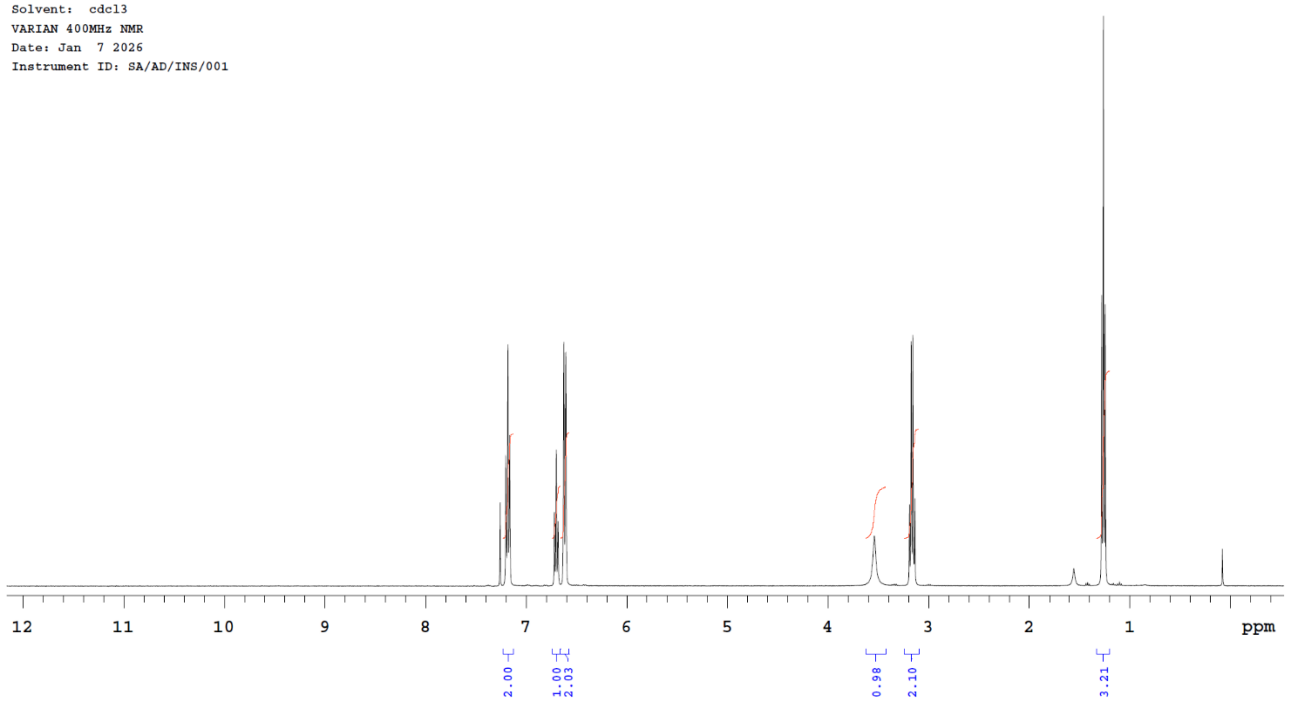
Identification by NMR: H1NMR

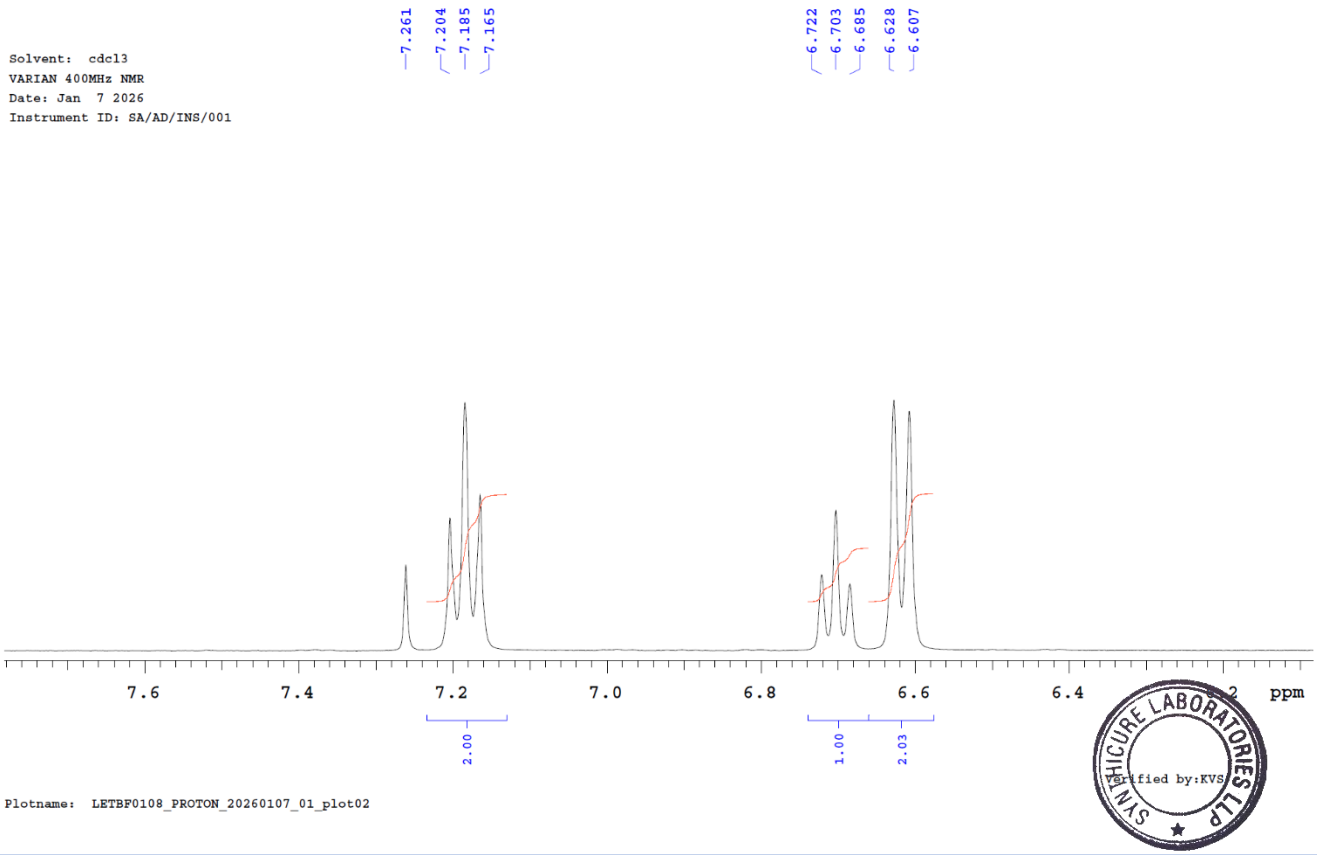
Sample Code: LETBF0108

Solvent: cdcl3
VARIAN 400MHz NMR
Date: Jan 7 2026
Instrument ID: SA/AD/INS/001



Sample Code: LETBF0108

Solvent: cdcl3
VARIAN 400MHz NMR
Date: Jan 7 2026
Instrument ID: SA/AD/INS/001



Plotname: LETBF0108_PROTON_20260107_01_plot02

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Verified by:KVS

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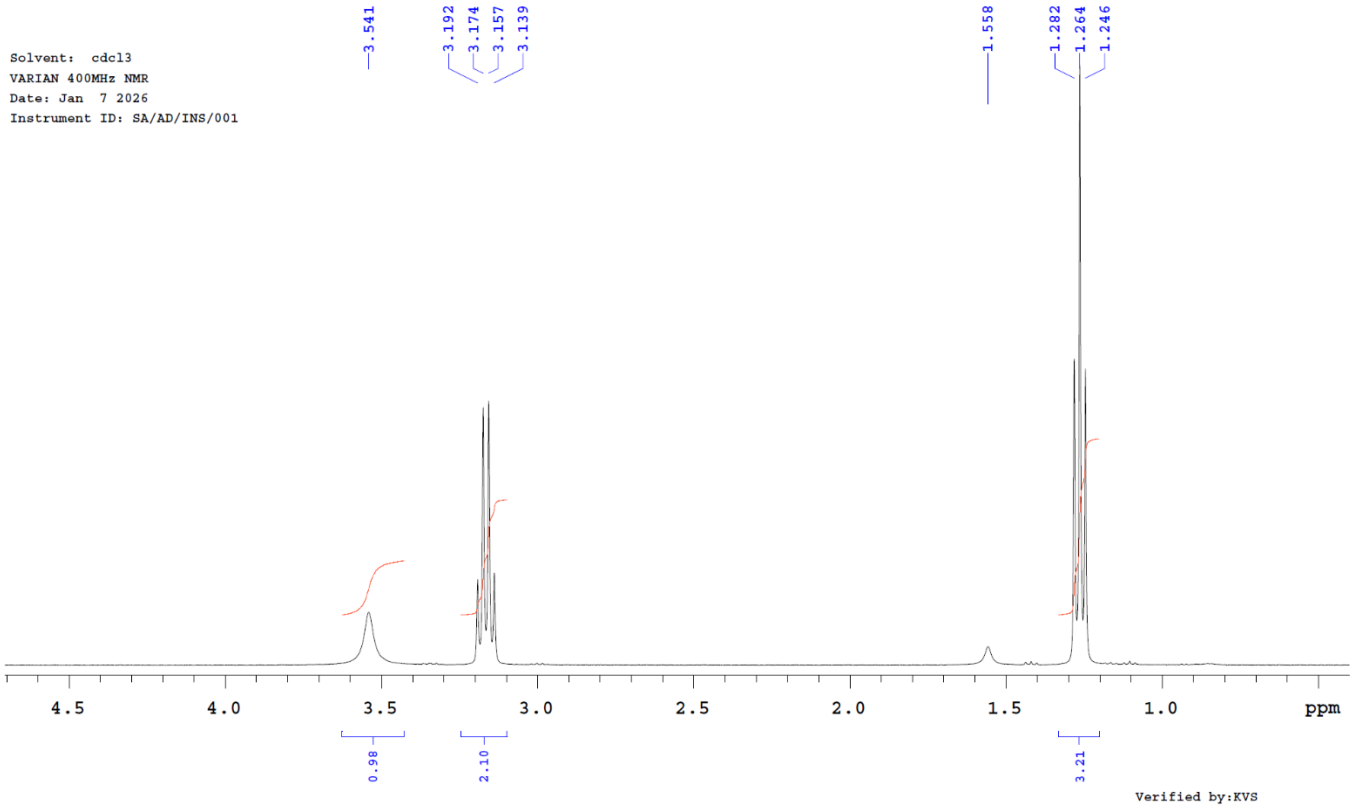
Identification by NMR: H1NMR

Sample Code: LETBF0108

Solvent: cdcl3
VARIAN 400MHz NMR
Date: Jan 7 2026
Instrument ID: SA/AD/INS/001



Verified by:KVS

Plotname: LETBF0108_PROTON_20260107_01_plot03

expl PROTON

SAMPLE		PRESATURATION	
date	Jan 7 2026	satmode	n
solvent	cdcl3	wet	n
file	/home/varian/-data/2026/Jan/LETBF0108_20260107_01/-LETBF0108_PROTON_20260107_01.fid	SPECIAL	
		temp	not used
		gain	44
		spin	0
ACQUISITION		hst	0.008
		pw90	13.000
sw	7183.9	alfa	10.000
at	4.000	FLAGS	
np	57472	il	n
fb	4000	in	n
bs	2	dp	y
d1	1.000	hs	nn
nt	128	PROCESSING	
ct	4	lb	0.50
TRANSMITTER		fn	not used
tn	H1	DISPLAY	
sfrq	399.689	sp	-792.5
tof	799.4	wp	7183.7
tpwr	59	rfl	792.8
pw	6.500	rfp	0
DECOUPLER		rp	-137.7
dn	C13	lp	0
dof	0	PLOT	
dm	nnn	wc	268
decwave	W40_GATB-0-12	sc	0
		vs	134
dpwr	35	th	2
dmf	29412	ai cdc ph	

INDEX	FREQUENCY	PPM	HEIGHT
1	2902.2	7.261	17.6
2	2879.4	7.204	27.1
3	2871.5	7.185	50.6
4	2863.7	7.165	31.6
5	2686.5	6.722	15.5
6	2679.1	6.703	28.6
7	2671.8	6.685	13.6
8	2649.0	6.628	51.1
9	2640.9	6.607	48.9
10	1415.4	3.541	10.5
11	1276.0	3.192	17.1
12	1268.7	3.174	51.3
13	1261.7	3.157	52.6
14	1254.5	3.139	18.4
15	622.8	1.558	3.7
16	512.4	1.282	61.0
17	505.3	1.264	119.4
18	498.1	1.246	59.0
19	32.2	0.081	7.8

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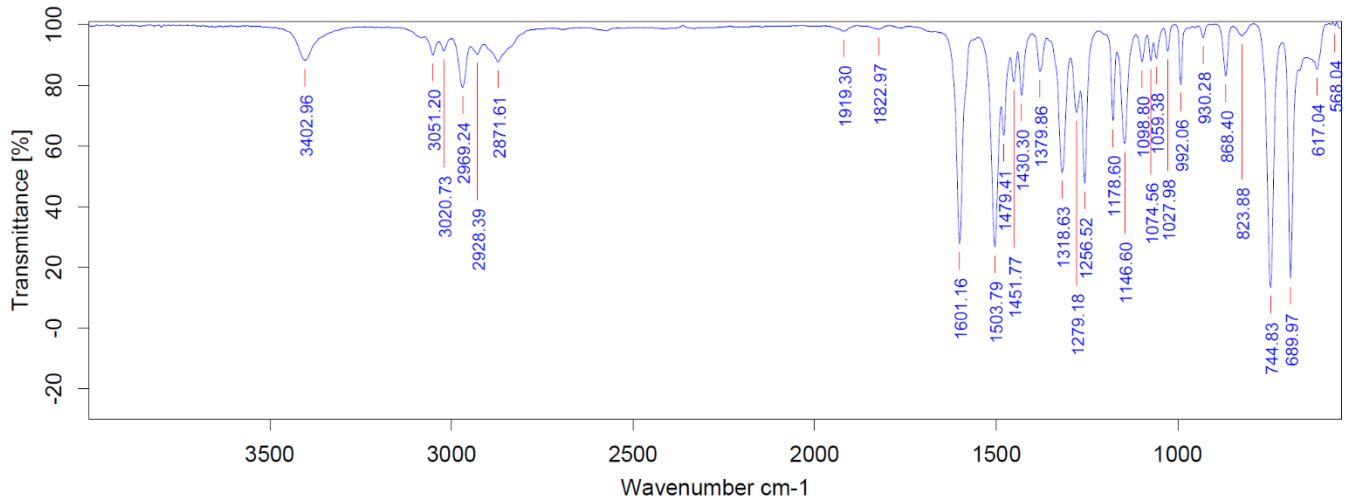
Identification by Infrared Spectroscopy (IR)



Path/File Name:D:\2026\JAN-2026/LETBF0108.0

Sample Name:LETBF0108

Lot No./Batch No:LETBF0108

Date & Time:1/7/2026,6:40:10 PM

Operator Name:SPARK

Experiment:JANUARY-2026.XPM

Resolution:2

Sample Scans:32

Frequency Range:4000 to 550

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Identification by Mass spectrometry (MS)