

Certificate of Analysis

N-Nitrosoethylisopropylamine (NEIPA)

Product Number	PSR37120	CAS No.	16339-04-1
Brand	PureSynth	Lot No.	N37120CL0124
Molecular Formula	C ₅ H ₁₂ N ₂ O	Date of Mfg.	January,2024
Molecular Weight	116.16 g/mol	Date of Exp.	December,2027

Test	Specification	Result
Description	Yellow liquid	Yellow liquid
Assay (GC-FID)	≥ 99.0 %	99.96 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

Storage Condition: Store at a temperature of 2-8°C and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

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Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

Assay by GC-FID

METHOD: GC- FID conditions:

Column: Agilent Technologies DB-FFAP 30mx 0.530mm, 1.0micron

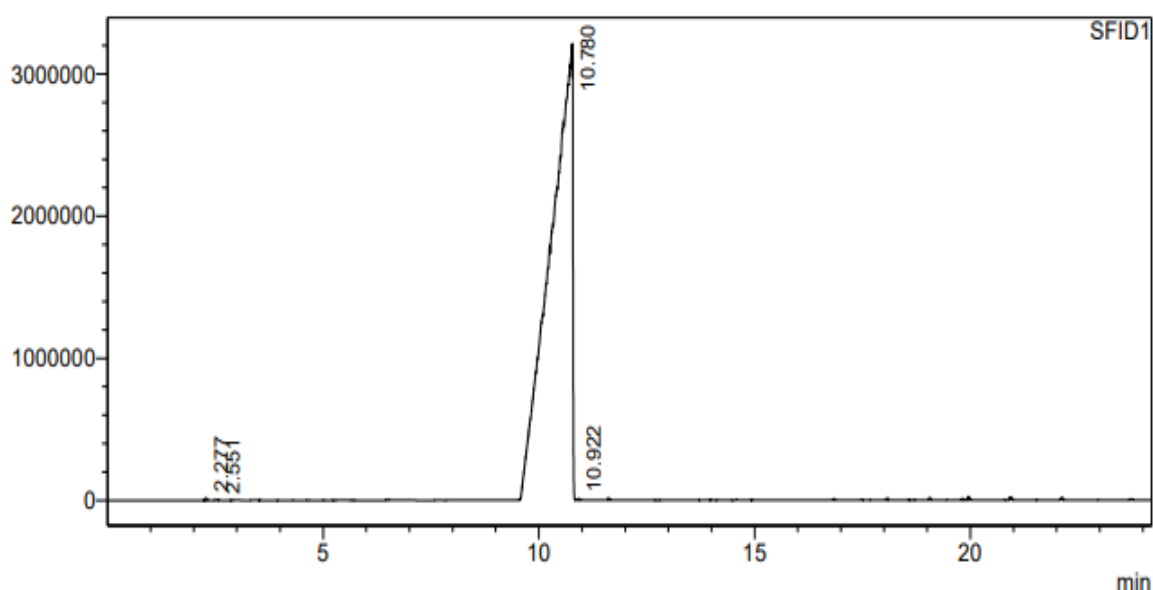
Instrument: PerkinElmer, GC 2014,

Detector: FID, **Carrier gas:** Nitrogen

Temp programming: Initial 50°C hold for 1min, 5°C Ramp/ min., 100 °C hold for 1 min., 25°C Ramp up to 250°C hold for 2 min., Run time 20 min.

<Chromatogram>

uV



<Peak Table>

SFID1

Peak#	Ret. Time	Area	Height	Area%
1	2.277	16827	12277	0.015
2	2.551	6034	4325	0.005
3	10.780	115257299	3214702	99.968
4	10.922	13885	8224	0.012
Total		115294045	3239529	100.000

Purity by GC-FID: 99.96 %

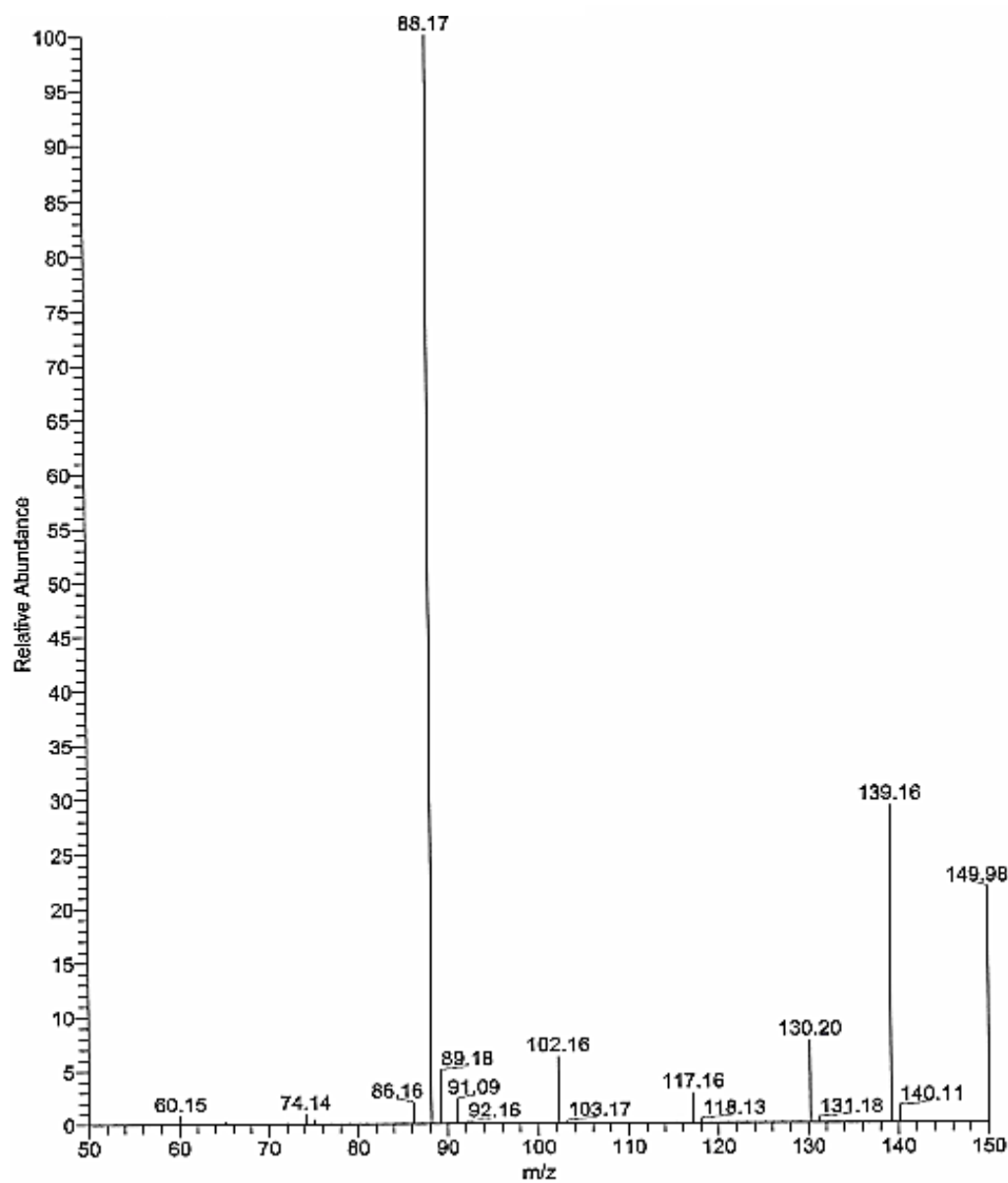
IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

Product Name: N-Nitrosoethylisopropylamine

Product Code: PSR37120



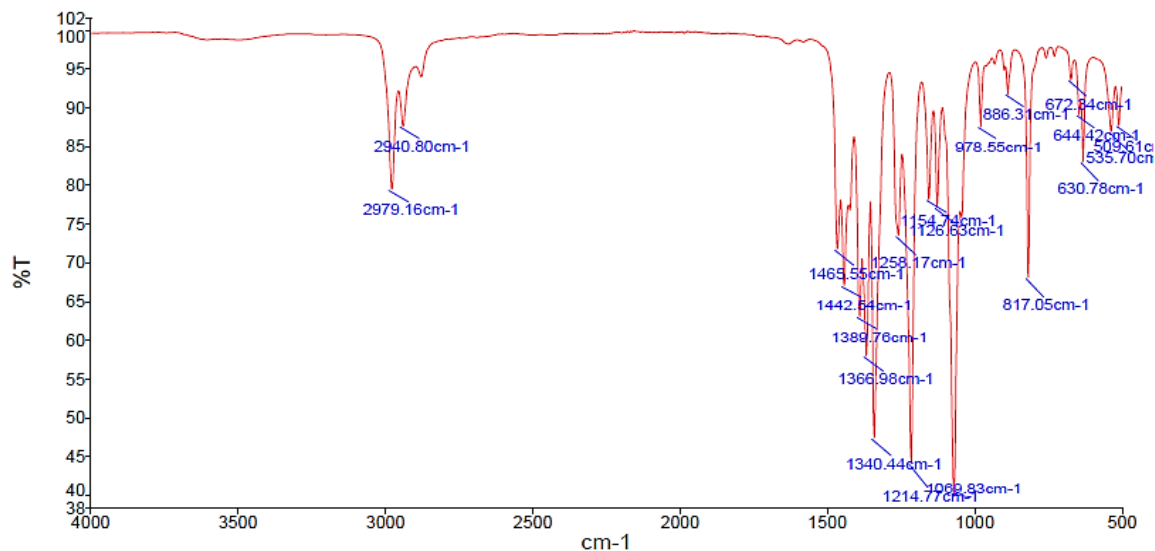
Identification by GC-MS: Conforms to molecular mass

Infrared spectrum:

Product Name: N-Nitrosoethylisopropylamine

Product Code: PSR37120

Analyst
Date



AR24000057-N-Nitrosoethylisopropylamine-N37120CL0124_1 Sample 002 By Analyst Date Thursday, February 08 2024

Source Spectra Results	
Spectrum Name	Number Of Peaks
AR24000057-N-Nitrosoethylisopropylamine-N37120CL0124_1	20
PerkinElmer Spectrum IR Version 10.7.2 08 February 2024 10:29	

List of Peak Area/Height		
Peak Number	X (cm ⁻¹)	Y (%T)
1	2979.16	79.51
2	2940.80	87.70
3	1465.55	71.82
4	1442.54	67.10
5	1389.76	63.12
6	1366.98	58.05
7	1340.44	47.44
8	1258.17	73.57
9	1214.77	44.25
10	1154.74	78.22
11	1126.63	77.17
12	1069.83	39.86
13	978.55	87.60
14	886.31	91.84
15	817.05	68.11
16	672.34	93.67
17	644.42	89.17
18	630.78	83.09
19	535.70	86.98
20	509.61	87.77

Identification by IR: Conforms to structure

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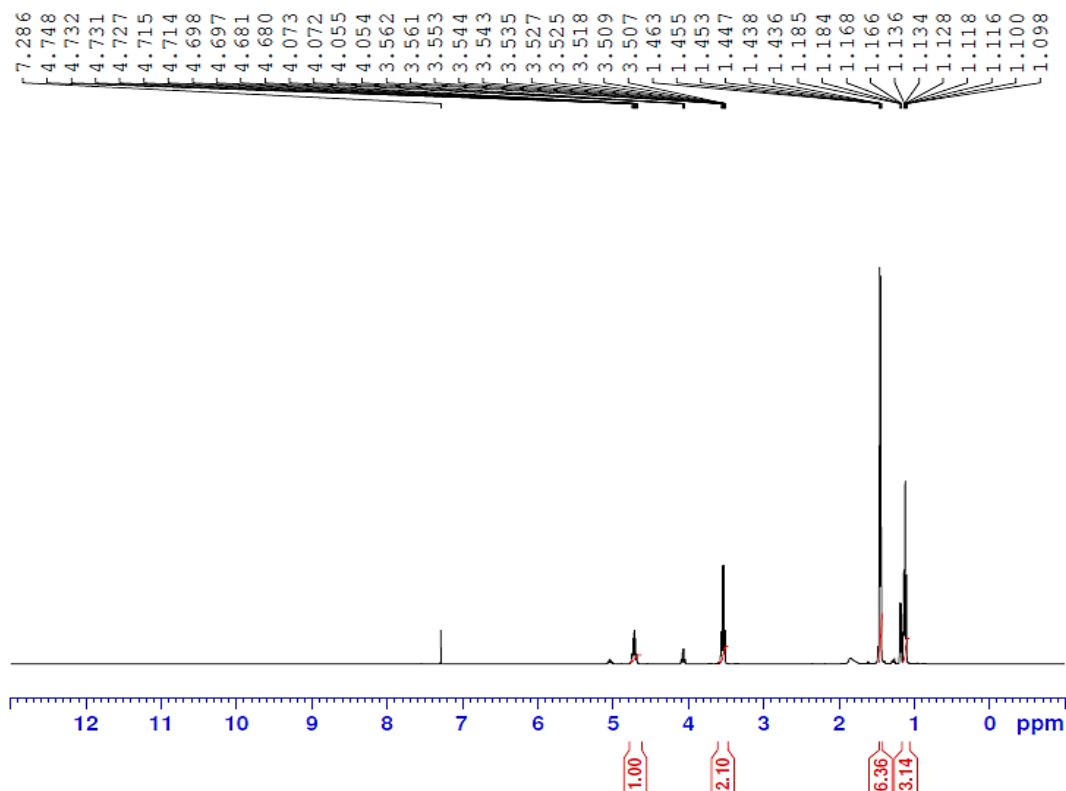
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¹H NMR Spectrum:

Product Name: N-Nitrosoethylisopropylamine

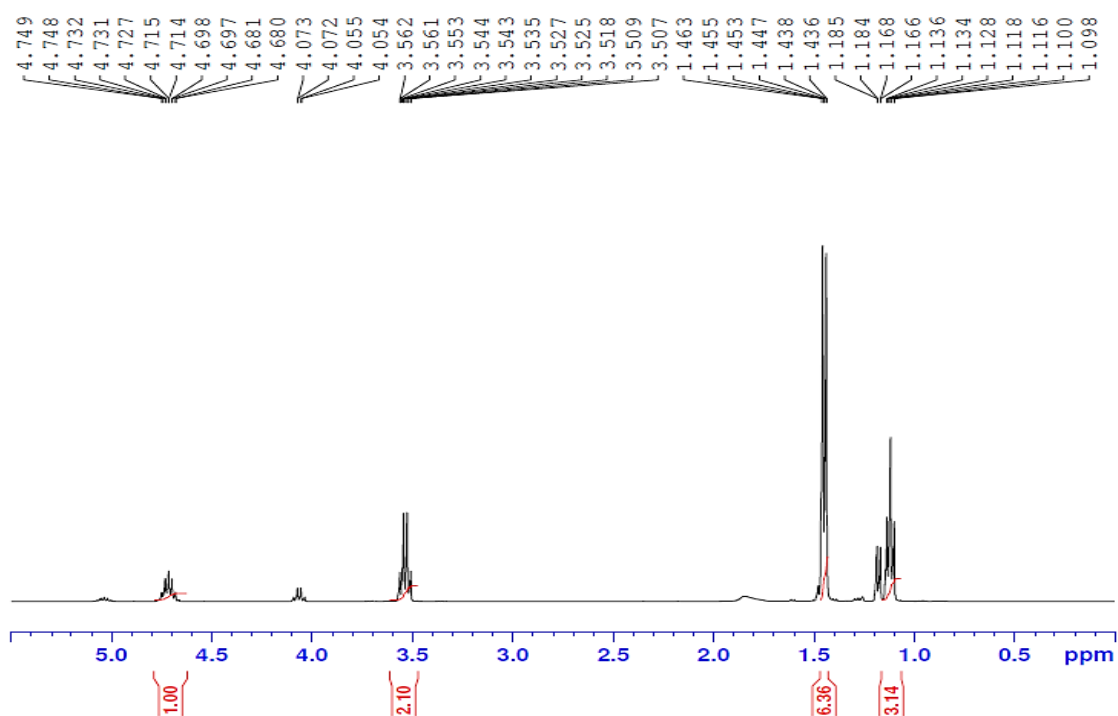
Product Code: PSR37120

N-Nitrosoethylisopropylamine
B.No: N37120CL0124
1H-NMR in CDCl₃



¹H NMR Spectrum Expansion

N-Nitrosoethylisopropylamine
B.No: N37120CL0124
1H-NMR in CDCl₃



Identification by ¹H NMR: Conforms to structure

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Approved By
Head - Technical

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