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# Certificate of Analysis

**Product** **96979 - n-Heptane extrapure AR, ExiPlus,  
Multi-Compendial, 99% - [142-82-5]**

**Batch No** **4139316**  
**Analysis Date** 20-Jun-2024  
**Date of Manufacture** June 2024  
**Expiry Date/Re-Test Date** June 2029  
**Molecular Formula** C<sub>7</sub>H<sub>16</sub>  
**Molecular Weight** 100.20

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Miscibility	With ethanol, ether, chloroform is clear, colourless	Clear, Colourless
Assay (GC)	min. 99%	99.40%
Density (g/ml) @ 20°C	0.683-0.684	0.683
Refractive Index (20°C)	1.387-1.388	1.387
Boiling Range	98-99°C	98-99°C
Non Volatile Matter	max. 0.001%	0.0001%
Acidity (CH <sub>3</sub> COOH)	max. 0.0005%	0.0004%
Substance Discoloured by H <sub>2</sub> SO <sub>4</sub>	Passes	Passes
Iron (Fe)	max. 0.00001%	Passes
Heavy Metals (Pb)	max. 0.00001%	Passes
Sulphur Compound (S)	max. 0.005%	Passes
Water (KF)	max. 0.02%	0.004%

FRM/82/11/2/96979 Rev No. 3 Date 16/04/2019

Prepared by Sanket

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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1/1

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