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# Certificate of Analysis

**Product** **94510 - n-Pentane extrapure AR, ExiPlus,  
Multi-Compendial, 99% - [109-66-0]**

**Batch No** **2805197**  
**Analysis Date** 18-May-2024  
**Date of Manufacture** May 2024  
**Expiry Date/Re-Test Date** May 2029  
**Molecular Formula** C<sub>5</sub>H<sub>12</sub>  
**Molecular Weight** 72.15

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
Assay (GC)	min. 99%	99.19%
Density (g/ml) @ 20°C	0.625-0.626	0.626
Refractive Index (20°C)	1.357-1.358	1.357
Boiling Range	35-36°C	35-36°C
Non Volatile Matter	max. 0.002%	0.0005%
Acidity (CH <sub>3</sub> COOH)	max. 0.001%	0.0008%
Substance Discoloured by H <sub>2</sub> SO <sub>4</sub>	Passes test	Passes
Iron (Fe)	max. 0.00005%	Passes
Heavy Metals (Pb)	max. 0.00005%	Passes
Bromine Number	max. 0.5	Passes
Sulphur Compound (S)	max. 0.005%	Passes
Water (KF)	max. 0.01%	0.007%

FRM/82/11/2/94510 Rev No. 2 Date 29/09/2019

Prepared by **Rganesh**

In compliance with the standard specifications of SRL

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