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Certificate of Analysis

Product

**81399 - Isooctane extrapure AR, ACS, ExiPlus,
Multi-Compendial, 99.5% - [540-84-1]**

Batch No

1937430

Analysis Date

08-Feb-2024

Date of Manufacture

February 2024

Expiry Date/Re-Test Date

February 2029

Molecular Formula

C₈H₁₈

Molecular Weight

114.23

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless,flammable	Colourless,flammable
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Solubility with water	Practically insoluble	Practically insoluble
Miscibility in Ethanol (96%)	Clear,colourless	Clear,colourless
Assay (GC)	min. 99.5%	99.67%
Density (g/ml) @ 20°C	0.691-0.693	0.691
Refractive Index (20°C)	1.391-1.392	1.391
Boiling Range	98-99°C	98-99°C
Non Volatile Matter	max. 0.001%	0.0003%
Acidity (CH ₃ COOH)	max. 0.0005%	0.0004%
Substance Discoloured by H ₂ SO ₄	Passes test	Passes
Iron (Fe)	max. 0.00005%	Passes
Heavy Metals (Pb)	max. 0.00005%	Passes
Copper (Cu)	max. 0.00002%	Passes
Sulphur Compound (S)	max. 0.005%	Passes
Bromine Number	max. 0.2	Passes
Water (KF)	max. 0.025%	0.01%

FRM/82/11/2/81399 Rev No. 2 Date 07/04/2019

Prepared by **Rganesh**

In compliance with the standard specifications of SRL

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1/1

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