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Certificate of Analysis

Product	88719 - Isoamyl Alcohol (Isopentyl Alcohol) extrapure AR, ACS, ExiPlus, Multi-Compendial , 99% - [123-51-3]
Batch No	1628284
Analysis Date	16-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	C5H12O
Molecular Weight	88.15

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
Miscibility in Ethanol (96%)	Clear, colourless	Clear, colourless
Solubility with water	2% in water at 14°C is clear, colourless	Clear, colourless
Assay (GC, total isomers)	min. 99%	99.82%
Density (g/ml) @ 20°C	0.810-0.813	0.810
Refractive Index (20°C)	1.406-1.410	1.407
Boiling Range	129-131°C	129-131°C
Non Volatile Matter	max. 0.002%	0.0005%
Acidity (CH ₃ COOH)	max. 0.001%	0.0006%
Iron (Fe)	max. 0.00001%	Passes
Heavy Metals (Pb)	max. 0.00001%	Passes
Acids and esters (CH ₃ COOC ₅ H ₁₁)	max. 0.06%	0.06%
Carbonyl compounds (HCHO)	max. 0.1%	Passes
Furfuraldehyde	Passes test	Passes
Water (KF)	max. 0.2%	0.04%

FRM/82/11/2/88719 Rev No. 2 Date 02/10/2023

Prepared by Udit

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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