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Certificate of Analysis

Product	98646 - Isobutanol extrapure AR, 99.5% - [78-83-1]
Batch No	9486090
Analysis Date	16-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	C4H10O
Molecular Weight	74.12

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.5%	99.79%
Density (g/ml) @ 20°C	0.801-0.804	0.801
Refractive Index (20°C)	1.396-1.397	1.396
Boiling Range	106-109°C	106-109°C
Non Volatile Matter	max. 0.001%	0.0005%
Acidity (CH3COOH)	max. 0.002%	0.001%
Substance Discoloured by H2SO4	Passes test	Passes
Aldehyde & Ketones (C3H7CHO)	max. 0.015%	Passes
n-Butanol (GC)	max. 0.1%	Passes
sec Butyl alcohol (GC)	max. 0.05%	Passes
tert-Butyl Alcohol (GC)	max. 0.5%	Passes
Miscibility with water	Passes test	Passes
Water (KF)	max. 0.1%	0.1%

FRM/82/11/2/98646 Rev No. 1 Date 01/11/2015

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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