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Certificate of Analysis

Product **41609 - Tert-Butyl Alcohol extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [75-65-0]**

Batch No **3615868**

Analysis Date 30-Sep-2023

Date of Manufacture September 2023

Expiry Date/Re-Test Date September 2028

Molecular Formula C₄H₁₀O

Molecular Weight 74.12

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.5%	99.77%
Density (g/ml) @ 25°C	0.773-0.778	0.773
Refractive Index (20°C)	1.384-1.386	1.385
Boiling Range	82-83°C	82-83°C
Freezing Point	25-26°C	25°C
Non Volatile Matter	max. 0.001%	0.0001%
Acidity (CH ₃ COOH)	max. 0.001%	0.0006%
Iron (Fe)	max. 0.00002%	Passes
Heavy Metals (Pb)	max. 0.00005%	Passes
Copper (Cu)	max. 0.00001%	Passes
sec Butyl alcohol (GC)	max. 0.2%	Passes
Carbonyl compounds (HCHO)	max. 0.01%	Passes
Water (KF)	max. 0.1%	0.04%

FRM/82/11/2/41609 Rev No. 2 Date 17/01/2021

Prepared by Ashish

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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