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Certificate of Analysis

Product **43706 - n-Butyl Alcohol (1-butanol, n-butanol) for HPLC & UV Spectroscopy, 99.9% - [71-36-3]**

Batch No **6534681**

Analysis Date 16-Jan-2024

Date of Manufacture January 2024

Expiry Date/Re-Test Date January 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. 99.9%	99.97%
Density (g/ml) @ 20°C	0.809-0.810	0.810
Refractive Index (20°C)	1.398-1.399	1.399
Boiling Range	116-118°C	116-118°C
Non Volatile Matter	max. 0.0005%	0.0002%
Acidity (CH ₃ COOH)	max. 0.002%	0.0006%
Water (KF)	max. 0.05%	0.04%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@210nm	≥10	35
@220nm	≥25	61
@230nm	≥65	78
@240nm	≥80	91
@250nm	≥95	98
@260nm	≥98	99
@270-400nm	≥99	99

FRM/82/11/2/43706 Rev No. 2 Date 14/03/2016

Prepared by **Rganesh**

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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