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Certificate of Analysis

Product **37152 - Methanol extrapure AR, ACS, ExiPlus,
Multi-Compendial, 99.8% - [67-56-1]**

Batch No **7622695**
Analysis Date 11-May-2024
Date of Manufacture May 2024
Expiry Date/Re-Test Date May 2029
Molecular Formula CH₄O
Molecular Weight 32.04

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 with water (1:3)	Clear , colourless	Clear , colourless
Miscibility in Ethanol (96%)	Clear,colourless	Clear,colourless
Assay (GC)	min. 99.8%	99.96%
Density (g/ml) @ 20°C	0.790-0.792	0.790
Refractive Index (20°C)	1.328-1.329	1.329
Boiling Range	64-65°C	64-65°C
Non Volatile Matter	max. 0.001%	0.0001%
Acidity (CH ₃ COOH)	max. 0.002%	0.0006%
Alkalinity (NaOH)	max. 0.001%	Not detected
Substance Discoloured by H ₂ SO ₄	Passes test	Passes
Substances reducing Permanganate (O)	max. 0.00025%	Passes
Aldehyde & Ketones (C ₃ H ₆ O)	max. 0.001%	Passes
Iron (Fe)	max. 0.00001%	Passes
Heavy Metals (Pb)	max. 0.00002%	Passes
Water (KF)	max. 0.05%	0.04%

FRM/82/11/2/37152 Rev No. 3 Date 08/04/2019

Prepared by Rganesh

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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