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Certificate of Analysis

Product	59991 - Glycerol (Glycerine) Anhydrous ACS, ExiPlus, Multi-Compendial, 99.5% - [56-81-5]
Batch No	5232778
Analysis Date	20-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C3H8O3
Molecular Weight	92.10

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (NaOH titration)	min.99.5%	99.6%
Density (g/ml) @ 20°C	1.257 - 1.260 g/ml	1.257 g/ml
Refractive Index (20°C)	1.474 - 1.475	1.474
Residue after ignition	max. 0.005%	0.002%
pH (10% aq. solution)	6.0 - 7.0	6.1
Neutrality	Passes test	Passes
Chloride (Cl)	max. 0.0001%	Passes
Sulphate (SO4)	max. 0.001%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Fatty acid esters (Glycerol tributryrate)	max. 0.05%	Passes
Sugars (Glucose)	max. 0.004%	Passes
Acrolein and Glucose	Passes test	Passes
Reducing Substances	Passes test	Passes
Substances darkened by Sulphuric acid	Passes test	Passes
Water	max. 0.5%	0.07%

FRM/82/11/4/59991 Rev No. 3 Date 27/08/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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