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Certificate of Analysis

Product **93602 - Acetic Acid Glacial extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.9% - [64-19-7]**

Batch No **4255188**

Analysis Date 01-Oct-2023

Date of Manufacture October 2023

Expiry Date/Re-Test Date October 2028

Molecular Formula C₂H₄O₂

Molecular Weight 60.05

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
Assay (GC)	min. 99.9%	99.91%
Density (g/ml) @ 20°C	1.048 - 1.049	1.048
Freezing Point	15°C±1°C	16° C
Boiling Point	118°C	118°C
Non Volatile Matter	max. 0.001%	0.0002%
Chloride (Cl)	max. 0.0001%	Passes
Sulphate (SO ₄)	max. 0.0001%	Passes
Iron (Fe)	max. 0.000002%	Passes
Heavy Metals (Pb)	max. 0.000002%	Passes
Copper (Cu)	max. 0.000002%	Passes
Substances reducing Permanganate (O)	Passes test	Passes
Titration base	max. 0.0004 meq/g	0.0002 meq/g
Formate (HCOO)	max. 0.01%	Passes
Acetic anhydride (C ₄ H ₆ O ₃)	Not detected	Not detected
Water (KF)	max. 0.2%	0.1%
Substances reducing Dichromate (O)	max. 0.003%	Passes

FRM/82/11/2/93602 Rev No. 2 Date 20/08/2022

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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