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Certificate of Analysis

Product	27648 - Acetone ACS, ExiPlus, Multi-Compendial, 99.5% - [67-64-1]
Batch No	9427190
Analysis Date	19-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	C3H6O
Molecular Weight	58.08

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Complies
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Solubility with water	Passes test	Passes
Miscibility in Ethanol (96%)	Passes	Passes
Assay (GC)	min. 99.5%	99.98%
Density (g/ml) @ 20°C	0.79	0.79
Refractive Index (20°C)	1.358 - 1.360	1.358
Boiling Range	55 - 56°C	55 - 56°C
Non Volatile Matter	max. 0.001%	0.0001%
Acidity (CH3COOH)	max. 0.002%	0.0006%
Alkalinity (NaOH)	max. 0.002%	Not Detected
Substances reducing Permanganate (O)	max. 0.0002%	Passes
Formaldehyde (HCHO)	max. 0.002%	Passes
Isopropanol (GC)	max. 0.05%	Passes
Methanol (GC)	max. 0.05%	Passes
Benzene (GC)	max. 2 ppm	Passes
Water (KF)	max. 0.5%	0.3%
Absorbance of sample in 1cm cell v/s H2O		.
@330nm	max. 1.0	0.7264
@340nm	max. 0.10	0.0596
@350nm	max. 0.02	0.0089
@400nm	max. 0.01	0.0014

FRM/82/11/2/27648 Rev No. 5 Date 20/12/2023

Prepared by Sanket

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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