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Certificate of Analysis

Product **42263 - Propionic Acid extrapure AR, ACS, ExiPlus, Multi-Compendial, C3-99.5% (GC) - [79-09-4]**

Batch No **2652825**

Analysis Date 20-Mar-2024

Date of Manufacture March 2024

Expiry Date/Re-Test Date March 2029

Molecular Formula C3H6O2

Molecular Weight 74.08

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Compiles
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Assay (GC-C3)	min. 99.5%	99.98%
Colour (APHA)	max. 20	Passes
Miscibility with water	Clear, colourless	Clear, colourless
Miscibility	With ethanol is clear, colourless	Clear, colourless
Density (g/ml) @ 20°C	0.992-0.994g	0.992
Refractive Index (20°C)	1.386-1.388	1.386
Boiling Range	140-142°C	140-142°C
Non Volatile Matter	max. 0.01%	0.0005%
Iron (Fe)	max. 0.00005%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Readily Oxidisable substances (HCOOH)	max. 0.1%	Passes
Carbonyl compounds (HCHO)	max. 0.002%	Passes
Water (KF)	max. 0.1%	0.03%

FRM/82/11/2/42263 Rev No. 3 Date 16/04/2019

Prepared by Sujit

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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