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Certificate of Analysis

Product	79220 - N,N-Dimethylacetamide (DMA) extrapure AR, ExiPlus, Multi-Compendial, 99.5% - [127-19-5]
Batch No	7999256
Analysis Date	18-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	C4H9NO
Molecular Weight	87.12

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
Miscibility with water	Clear,colourless	Clear, Colourless
Miscibility	With methanol is Clear,colourless	Clear, Colourless
pH (20% aq. solution)	4 to 7	5.20
Assay (GC)	min. 99.5%	99.92%
Density (g/ml) @ 20°C	0.940-0.942	0.940
Refractive Index (20°C)	1.438-1.439	1.438
Boiling Range	164-166°C	164-166°C
Non Volatile Matter	max. 0.01%	0.0005%
Acidity (CH3COOH)	max. 0.05%	0.0005%
Chloride (Cl)	max. 0.0005%	Passes
Sulphate (SO4)	max. 0.001%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Alkali metals (Na)	max. 0.0001%	Passes
Alkaline earths (Ca)	max. 0.0001%	Passes
Copper (Cu)	max. 0.0001%	Passes
Water (KF)	max. 0.1%	0.04%

FRM/82/11/2/79220 Rev No. 3 Date 24/02/2022

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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