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Certificate of Analysis

Product	11118 - N-Methyl-2-Pyrrolidone (NMP) extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [872-50-4]
Batch No	1826857
Analysis Date	03-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	C5H9NO
Molecular Weight	99.13

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. 50	Passes
Assay (GC)	min. 99.5%	99.95%
Miscibility with water	Miscible	Passes
Miscibility	With alcohol is clear	Passes
Density (g/ml) @ 20°C	1.029-1.033	1.029
Refractive Index (20°C)	1.470-1.472	1.470
Boiling Range	202-204°C	Passes
Free amines(as CH ₃ NH ₂)	max. 0.01%	Passes
Chloride (Cl)	max. 0.0001%	Passes
Non Volatile Matter	max. 0.001%	0.0005%
Water (KF)	max. 0.05%	0.05%

FRM/82/11/2/11118 Rev No. 2 Date 17/04/2019

Prepared by Akshay

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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