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Certificate of Analysis

Product	89975 - N-Methyl-2-Pyrrolidone (NMP) for molecular biology, 99.5% - [872-50-4]
Batch No	5187121
Analysis Date	11-Feb-2020
Date of Manufacture	February 2020
Expiry Date/Re-Test Date	February 2025
Molecular Formula	C5H9NO
Molecular Weight	99.13

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max. 20	Passes
Assay (GC)	min. 99.5%	99.94%
Density (g/ml) @ 20°C	1.029-1.031	1.029
Refractive Index (20°C)	1.470-1.471	1.470
Boiling Range	201-202°C	Passes
Non Volatile Matter	max. 0.001%	0.0005%
Water (KF)	max. 0.05%	0.04%
%T (Transmission) in a 1cm cell v/s H2O		
@285nm	≥10	87
@300nm	≥30	96
@325nm	≥80	100
@350nm	≥94	100
@400nm	≥98	100

FRM/82/11/2/89975 Rev No. 1 Date 20/02/2020

Prepared by Nilam Halgekar

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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