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Certificate of Analysis

Product	24017 - N,N-Dimethylformamide (DMF) for molecular biology, 99.9% - [68-12-2]
Batch No	6756971
Analysis Date	25-Jul-2022
Date of Manufacture	July 2022
Expiry Date/Re-Test Date	July 2027
Molecular Formula	C ₃ H ₇ NO
Molecular Weight	73.10

Test Parameters	Standards	Actual Results
Appearance (Clarity)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Form)	Liquid	Liquid
Colour (APHA)	max.10	Passes
Assay (GC)	min. 99.9%	99.99%
Density (g/ml) @ 20°C	0.947-0.949	0.947
Refractive Index (20°C)	1.429-1.431	1.429
Boiling Range	151-154°C	151-154°C
Non Volatile Matter	max. 0.0005%	0.0005%
Acidity (HCOOH)	max. 0.0005%	0.0004%
Water (KF)	max. 0.03%	0.03%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@270nm	≥30	32
@275nm	≥65	72
@280nm	≥75	85
@290nm	≥85	92
@295nm	≥88	95
@300nm	≥90	97
@310nm	≥95	98
@320nm	≥97	99
@330nm	≥98	100
@340-400nm	≥99	100
(after purging with N ₂ for 15 min.)		

FRM/82/11/2/24017 Rev No. 1 Date 01/11/2015

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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