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Certificate of Analysis

Product **50591 - N,N-Dimethylformamide (DMF) for HPLC & UV Spectroscopy, 99.9% - [68-12-2]**

Batch No **2015227**

Analysis Date 10-Jul-2024

Date of Manufacture July 2024

Expiry Date/Re-Test Date July 2029

Molecular Formula C₃H₇NO

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%	99.97%
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. 0.005%	0.0004%
Water (KF)	max. 0.05%	0.007%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@270nm	≥30	33
@275nm	≥65	76
@280nm	≥75	88
@290nm	≥85	93
@300nm	≥90	96
@310nm	≥95	97
@320nm	≥97	99
@330nm	≥98	100
@340-400nm	≥99	100
(after purging with N ₂ for 15 min.)		

FRM/82/11/2/50591 Rev No. 1 Date 01/11/2015

Prepared by **Rganesh**

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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