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# Certificate of Analysis

**Product** **46165 - N,N-Dimethylformamide (DMF) GC-HS, 99.9% - [68-12-2]**  
**Batch No** **9858030**  
**Analysis Date** 21-Jan-2024  
**Date of Manufacture** January 2024  
**Expiry Date/Re-Test Date** January 2029  
**Molecular Formula** C<sub>3</sub>H<sub>7</sub>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%
Residual solvents		.
GC-HS Class 1	max. 1ppm	Passes
GC-HS Class 2	max. 10ppm	Passes
GC-HS Class 3	max. 50ppm	Passes
Density (g/ml) @ 20°C	0.948 - 0.950	0.948
Refractive Index (20°C)	1.429-1.431	1.429
Boiling Range	151 - 154°C	151 - 154°C
Acidity (HCOOH)	max. 0.002%	0.0008%
Non Volatile Matter	max. 0.0001%	0.00005%
Water (KF)	max. 0.05%	0.02%

FRM/82/11/2/46165 Rev No. 4 Date 16/02/2022

Prepared by **Sujit**

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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