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Certificate of Analysis

Product 24075 - Dimethyl Sulphoxide (DMSO) for molecular biology, 99.8% - [67-68-5]
Batch No 9182654
Analysis Date 15-Feb-2024
Date of Manufacture February 2024
Expiry Date/Re-Test Date February 2029
Molecular Formula C₂H₆SO
Molecular Weight 78.13

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. 99.8%	99.98%
Density (g/ml) @ 20°C	1.099-1.101	1.099
Refractive Index (20°C)	1.478-1.479	1.478
Boiling Range	189-192°C	Passes
Freezing Point	17-18°C	18°C
Non Volatile Matter	max. 0.0005%	0.0005%
Acidity (CH ₃ COOH)	max. 0.001%	0.0004%
Water (KF)	max. 0.1%	0.02%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@262.5nm	≥10	13
@263nm	≥15	15
@270nm	≥50	56
@275nm	≥65	74
@280nm	≥76	86
@290nm	≥84	95
@300nm	≥90	96
@320nm	≥95	99
@335nm	≥96	100
@340-400nm	≥99	100
(after purging with N ₂ for 15 min.)		.

FRM/82/11/2/24075 Rev No. 2 Date 13/07/2023

Prepared by Ashish

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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