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# Certificate of Analysis

**Product** **65679 - 1,4-Dioxane scintillation grade, 99.5% - [123-91-1]**  
**Batch No** **9711163**  
**Analysis Date** 28-Mar-2024  
**Date of Manufacture** March 2024  
**Expiry Date/Re-Test Date** March 2029  
**Molecular Formula** C4H8O2  
**Molecular Weight** 88.11

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. 99.5%	99.86%
Density (g/ml) @ 20°C	1.032-1.033	1.032
Refractive Index (20°C)	1.421-1.423	1.421
Boiling Range	100-102°C	100-102°C
Non Volatile Matter	max. 0.001%	0.0005%
Freezing Point	min. 11°C	11°C
Acidity (CH3COOH)	max. 0.01%	0.0005%
Peroxide (H2O2)	max. 0.005%	0.0005%
Acetal (C6H14O2)	max. 0.3%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Water (KF)	max. 0.05%	0.03%
Stabilizer	2,6- Di-tertbutyl-p-cresol(2.5ppm)	Present
Absorbance of sample in 1cm cell v/s H2O		.
@380nm	<0.02	0.0018
@420nm	<0.005	0.0009

FRM/82/11/2/65679 Rev No. 2 Date 19/07/2018

Prepared by Udit

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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1/1

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