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Certificate of Analysis

Product **43294 - 1,4-Dioxane for HPLC & UV Spectroscopy, 99.9% - [123-91-1]**

Batch No **1876608**

Analysis Date 11-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 (Form)	Clear	Clear
Appearance (Colour)	Colourless	Colourless
Appearance (Clarity)	Liquid	Liquid
Colour (APHA)	max. 10	Passes
Assay (GC)	min. 99.9%	99.99%
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
Freezing Point	min. 11°C	11°C
Non Volatile Matter	max. 0.0005%	0.0005%
Acidity (CH ₃ COOH)	max. 0.001%	0.0005%
Peroxide (H ₂ O ₂)	max. 0.005%	0.002%
Water (KF)	max. 0.05%	0.01%
%T (Transmission) in a 1cm cell v/s H ₂ O		.
@220nm	≥10	33
@230nm	≥40	44
@240nm	≥50	56
@250nm	≥60	67
@260nm	≥70	80
@270nm	≥80	91
@280nm	≥90	98
@290nm	≥97	99
@300-400nm	≥99	100
(after purging with N ₂ for 15 min.)		

FRM/82/11/2/43294 Rev No. 2 Date 14/01/2023

Prepared by Sanket

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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