

CERTIFICATE OF ANALYSIS

PRODUCT NAME : 1,4-DIOXAN FOR HPLC & UV SPECTROSCOPY

CAS No : 123-91-1
Mol. Formula : C₄H₈O₂
Mol. WT : 88.11
Date of analysis : 16/05/24

Product code : 42100
Batch No : MCR-27570-01
Mfd. : May 2024
Exp. : April 2029

S.R	Test	Specification	Observation
1	Description	A clear colourless liquid.	A clear colourless liquid.
2	Assay (GC)	NLT 99.8%	99.94%
3	Wt. per ml at 20°C	1.032 – 1.035g	1.033g
4	Identification	Passes test	Passes test
5	Residue after evaporation	0.0005%max	0.0001%
6	Acidity (as CH₃COOH)	0.002%max	<0.002%
7	Water (by KF)	0.05%max	0.008%
8	Peroxide (as H₂O₂)	0.005% max	<0.005%
9	Transmission (1cm cell Vs water)	225nm – 20%min 245nm – 50%min 250nm – 60%min 270nm – 80%min 280nm – 90%min 300nm – 98%min	225nm – 44.11% 245nm – 70.22% 250nm – 71.84% 270nm – 81.86% 280nm – 97.20% 300nm – 99.68%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Durvas)**

[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

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Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.