

CERTIFICATE OF ANALYSIS

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

CAS No : 123-91-1	Product code : 42100
Mol. Formula : C ₄ H ₈ O ₂	Batch No : MCR-11129-02
Mol. WT : 88.11	Mfd. : April 2022
Date of analysis : 24/04/22	Exp. : March 2027

S. R	Test	Specification	Observation
1	Description	A clear colourless liquid with a characteristic odour. APHA not more than 10 Hazen unit.	A clear colourless liquid with a characteristic odour. APHA less than 10 Hazen unit.
2	Assay (GC)	99.8 % min	99.92%
3	Wt. per ml at 20°C	1.032 – 1.035g	1.032g
4	Refractive index (n) ²⁰ _D	1.421 – 1.423	1.421
5	Peroxide (as H ₂ O ₂)	0.001%max	<0.001%
6	Acidity	0.01%max	<0.01%
7	Residue after evaporation	0.005%max	0.002%
8	Water	0.05% max	0.027%
9	Transmission (1cm cell Vs water)	220nm – 20%min 230nm – 35%min 240nm – 45%min 250nm – 55%min 260nm – 65%min 280nm – 85%min 300nm – 98%min	220nm – 42.065% 230nm – 56.751% 240nm – 72.816% 250nm – 84.741 % 260nm – 91.527% 280nm – 92.694% 300nm – 99.207%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

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

Note: Computer generated image requires no sign.

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