



CERTIFICATE OF ANALYSIS

Date: 12/06/14

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

CAS No : 123-91-1

Product code : 42100

Mol. Formula : $C_4H_8O_2$

Batch No : MCR-8291

Mol. WT : 88.11

Mfd . : June 2014

S. R	Test	Specification	Observation
1	Assay (GC)	99.8 % min	99.96%
2	Wt. per ml at 20°C	1.032 – 1.035g	1.033g
3	Refractive index (n) ²⁰ _D	1.421 – 1.423	1.421
4	Peroxide (as H ₂ O ₂)	0.001%max	<0.001%
5	Acidity	0.01%max	<0.01%
6	Residue after evaporation	0.005%max	0.0008%
7	Water	0.05% max	0.030%
8	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 – 38.257% 230nm – 45.081% 240nm – 54.517% 250nm – 64.917% 260nm – 75.366% 280nm – 91.979% 300nm – 99.939%

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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