

CERTIFICATE OF ANALYSIS

PRODUCT NAME : 1,4-DIOXAN AR

CAS No : 123-91-1
Mol. Formula : C₄H₈O₂
Mol. WT : 88.11
Date of analysis : 25/04/25

Product code : 23070
Batch No : MCAR-01516
Mfd. : April 2025
Exp. : March 2030

S.R	Test	Specification	Observation
1	Description	A clear colourless liquid with a characteristic odour.	A clear colourless liquid with a characteristic odour.
2	Assay (GC)	99.0% min	99.86%
3	Wt. per ml at 20⁰C	1.032-1.034g	1.033g
4	Freezing point	Not below 11.5 ⁰ C	11.8 ⁰ C
5	Refractive index n²⁰_D	1.421-1.423	1.422
6	Water	0.05% max	0.035%
7	Acidity (CH₃COOH)	0.02% max	< 0.02%
8	Non-volatile matter	0.01% max	0.008%
9	Acetal [CH₃CH(OC₂H₅)₂]	0.8% max	< 0.8%
10	Copper (Cu)	0.0001% max	< 0.0001%
11	Iron (Fe)	0.0001% max	< 0.0001%
12	Lead (Pb)	0.0001% max	< 0.0001%
13	Peroxide (as H₂O₂)	0.005% max	< 0.005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Durvas)**



[QC Incharge]



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

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