



CERTIFICATE OF ANALYSIS

PRODUCT NAME : 1,4-DIOXAN AR

CAS No : 123-91-1
Mol. Formula : C₄H₈O₂
Mol. WT : 88.11
Date of Analysis : 15/05/23

Product code : 23070
Batch No : MCRT-28283
Mfd. : May 2023
Exp. : April 2028

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	99.89%
3	Wt. per ml at 20 ⁰ C	1.032-1.034g	1.034g
4	Freezing point	Not below 11.5 ⁰ C	11.7 ⁰ C
5	Refractive index n ²⁰ _D	1.421-1.423	1.422
6	Water	0.05% max	0.04%
7	Acidity (CH ₃ COOH)	0.02% max	< 0.02%
8	Non-volatile matter	0.01% max	0.008%
9	Acetal [CH ₃ CH(OC ₂ H ₅) 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 H ₂ O ₂)	0.005% max	< 0.005%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

CHEMIST
(Priti)

[QC Incharge]

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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