

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : 1,4-Dioxane 99.5 % AR

Catalog Number : B-3002

Batch Number : 3002-00000000

CAS Number : 123-91-1

Molecular Weight : 88.11 g/mol

Mol. Formula : C₄H₈O₂

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Clear colorless liquid	Clear colorless liquid
2	Assay (GC)	min 99.5 %	99.816%
3	Wt. Per ml at 20 °C	1.032 – 1.034 g/cm ³	1.032 g/cm ³
4	Colour	max 10 Hazen	6 Hazen
5	Freezing point	min 11 °C	13 °C
6	Refractive Index (n ²⁰ _D)	1.421 – 1.423	1.422
7	Water (H ₂ O)	max 0.05 %	0.0335%
8	Non-volatile matter	max 0.01 %	0.001%
9	Acidity (CH ₃ COOH)	max 0.02 %	0.007%
10	Acetal [CH ₃ CH(OC ₂ H ₅) ₂]	max 0.8 %	0.3%
11	Copper (Cu)	max 0.0001 %	0.00002%
12	Iron (Fe)	max 0.0001 %	0.00005%
13	Lead (Pb)	max 0.0001 %	0.00003%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC