

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Ethylene Glycol 99.5 % (1,2-Ethanediol) AR

Catalog Number : B-3031

Batch Number : 3031-00000000

CAS Number : 107-21-1

Molecular Weight : 62.07 g/mol

Mol. Formula : C₂H₆O₂

Expire Date : 60 Months



No	Test	Specifications	Results
1	Appearance	A clear very hygroscopic syrupy liquid	Clear very hygroscopic syrupy liquid
2	Assay (GC)	min 99.5 %	99.70%
3	Wt.per ml at 20 °C	1.112 – 1.114 g/cm ³	1.113 g/cm ³
4	Refractive index (n _D ²⁰)	1.431 – 1.433	1.432
5	Colour scale	max 10 Hazen	7 Hazen
6	Insoluble matter	Passes test	Passes test
7	Water (H ₂ O)	max 0.1 %	0.023%
8	Acidity (as CH ₃ COOH)	max 0.001 %	0.0003%
9	Sulphated ash	max 0.005 %	0.002%
10	Chloride (Cl)	max 0.00002 %	0.000006%
11	Sulfate (SO ₄)	max 0.002 %	< 0.002
12	Copper (Cu)	max 0.0001 %	< 0.0001
13	Iron (Fe)	max 0.0001 %	0.00004%
14	Lead (Pb)	max 0.0001 %	< 0.0001 %
15	Formaldehyde (HCHO)	max 0.005 %	0.0011%
16	Substance reducing KMnO ₄ (as O)	max 0.0003 %	0.00006%

Corresponds to AR / ACS Grade

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