

F-QC-001 Rev.00

Certificate Of Analysis



Product Name : Glycerol 99.5 % AR

Catalog Number : B-3039

Batch Number : 3039-00000000

CAS Number : 56-81-5

Molecular Weight : 92.09 g/mol

Mol. Formula : $C_3H_8O_3$

Expire Date : 48 months

No	Test	Specifications	Results
1	Appearance	A clear viscous hygroscopic liquid	A clear viscous hygroscopic liquid
2	Assay (GC, calc, on anhydrous basis)	min 99.5 %	99.99%
3	Wt. Per ml at 20 °C	1.257 – 1.261 g/cm ³	1.259 g/cm ³
4	Colour	max 10 Hazen	8 Hazen
5	Refractive Index (n _D ²⁰)	1.470 – 1.475	1.473
6	Water	max 0.5 %	0.254%
7	Heavy metal (as Pb)	max 0.0005 %	0.00012%
8	Sulphated ash	max 0.005 %	0.0042%
9	Chloride (Cl)	max 0.001 %	0.0002%
10	Sulphate (SO ₄)	max 0.002 %	0.0001%
11	Copper (Cu)	max 0.00005 %	< 0.00005
12	Iron (Fe)	max 0.00005 %	< 0.00005
13	Lead (Pb)	max 0.00005 %	< 0.00005
14	Chlorinated compounds	max 0.003 %	0.0005%
15	Residu on ignition	max 0.01 %	0.005%
16	Fatty acid ester (as butyric acid)	max 0.05 %	0.0015%
17	Organic impurities	passes test	Passes test
18	Sugar	passes test	Passes test
19	Substance darkened by Sulphuric acid	Passes test	Passes test
20	Total Impurities (Chromatographic including Diethylene Glycol)	max 1.0 %	0.6%

Corresponds to AR / ACS Grade

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

Labotiq