

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Glycerol 85 % AR

Catalog Number : B-3094

Batch Number : 3094-00000000

CAS Number : 56-81-5

Molecular Weight : 92.09 g/mol

Mol. Formula : C₃H₈O₃

Expire Date : 48 Months



No	Test	Specifications	Results
1	Appearance	A clear viscous hygroscopic liquid	A clear viscous hygroscopic liquid
2	Assay (alkalimetric after oxidation)	83.5 - 88.5 %	84.837%
3	Identity	passes test	Passes test
4	Appearance of solution	passes test	Passes test
5	Acidity or alkalinity	passes test	Passes test
6	Free alkali (as NH ₃)	max 0.0005 %	0.00022%
7	Free acid (as CH ₃ COOH)	max 0.002 %	0.00046%
8	Wt. Per ml at 20 °C	1.220 – 1.232 g/cm ³	1.223 g/cm ³
9	Refractive Index (n _D ²⁰)	1.449 – 1.455	1.450
10	Water	12.0 - 16.0 %	15.150%
11	Heavy metal (as Pb)	max 0.0005 %	0.00014%
12	Sulphated ash	max 0.01 %	0.0032%
13	Chloride (Cl)	max 0.001 %	0.00012%
14	Sulphate (SO ₄)	max 0.002 %	0.0001%
15	Iron (Fe)	max 0.0001 %	< 0.0001 %
16	Halogenated compound (as Cl)	max 0.003 %	0.00055%
17	Aldehydes	max 0.001 %	< 0.001 %
18	Esters	passes test	Passes test
19	Fatty acid ester (as butyric acid)	max 0.05 %	0.0016%
20	Sugar	passes test	Passes test
21	Total Impurities (Chromatographic including Diethylene Glycol)	max 1.0 %	0.52%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.
 Manager QC