

F-QC-001 Rev.00

Certificate Of Analysis



Product Name : Glycerol 87 % AR

Catalog Number : B-3100

Batch Number : 3100-00000000

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 colourless viscous liquid	A clear colourless viscous liquid
2	Assay (as $C_3H_8O_3$)	86.0 - 88.0 %	87.05%
3	Identity	passes test	Passes test
4	Appearance of solution	passes test	Passes test
5	Insoluble matter in water	passes test	Passes test
6	Wt. Per ml at 20 °C	1.224 – 1.232 g/cm ³	1.230 g/cm ³
7	Refractive Index (n_D^{20})	1.449 – 1.455	1.450
8	Acidity	max 0.0005 meq/g	0.00035 meq/g
9	Alkalinity	max 0.0003 meq/g	Nil
10	Water	12.0 - 14.0 %	12.95%
11	Heavy metal (as Pb)	max 0.0005 %	0.00017%
12	Chloride (Cl)	max 0.0001 %	0.00005%
13	Sulphate (SO_4)	max 0.002 %	0.0004%
14	Iron (Fe)	max 0.0001 %	< 0.0001 %
15	Ammonium (NH_4)	max 0.0005 %	0.00032%
16	Halogenated compound (as Cl)	max 0.003 %	0.00057%
17	Aldehydes	max 0.003 %	< 0.001 %
18	Esters	passes test	Passes test
19	Ester of Fatty acids (as $C_{15}H_{26}O_6$)	max 0.05 %	0.0016%
20	Sugar	passes test	Passes test
21	Residue on ignition (as SO_4)	max 0.005%	0.0028%
22	Substance darkened by H_2SO_4	passes test	Passes test
23	Reducing substances(as $AgNO_3$)	passes test	Passes test

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification


 SUDIRO S.Si.
 Manager QC