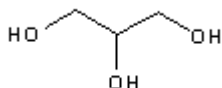


**PRODUCT CODE: 131339****Glycerol for analysis, ACS, ISO**

M.= 92,10

CAS [56-81-5]

EINECS 200-289-5

TARIC 2905 45 00 00

SYNONYMS: 1,2,3-Propanetriol, Glycerol

PHYSICAL DATA: liquid, Clear, viscous, Colourless, Miscible with water • Hygroscopic • D 20/4 1,262 • M.P.: 17,8 °C • B.P.: 290 °C • pH(100g/l)5 • n_{20/D} : 1,474 • Flash P.:176 °C • Ign. T.:429 °C • Vap. press. (20 °C) 0,01 hPa • Viscosity 20 °C 1.400 mPa.s • Dielec. constant20 °C 42,5 • Heat evap. 290 °C 826 KJ/Kg •

BIBLIOGRAPHY: Merck Index **12**, 4.493 13, 4.497 Sax **GGA000** • Safety **2**, **1782 D** • Römp **8**, **1512** • Kühn-Birett **G 4** • Ullmann **(5.)12**, 477 • Beilstein **1**, **502 I**, **266 II**, **575 III**, **2297 IV**, **2751** • BRN 635685 • ACS **XI** • ISO 6353/3-1987R - 64, 30 • BP.**2017** • USP **39** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **9 10** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 BS 2621-5 •

HAZARDOUS: RTECS: MA 8050000 • LD50 oral rat 12.600 mg/kg • VLA-ED 10 mg/m³

WEIGHT/VOLUME INFORMATION: 1l~1,259 kg 1kg~0,794 l

SPECIFICATIONS:

Minimum assay (G.C.)

99,5%

Identity :

Identity

IR passes test

Density at 20/4

1,257-1,261

Maximum limit of impurities

APHA colour	10
Acidity	0,0005 meq/g
Alkalinity	0,0003 meq/g
Insoluble matter in H2O	passes test
Darkened substances by H2SO4	passes test
Reducing substances of AgNO3	passes test
Residue on ignition (as SO4)	0,005 %
Chloride (Cl)	0,0001%
Ammonium (NH4)	0,0005%
Sulfate (SO4)	0,0005%
Chlorine compounds (as Cl)	0,003%
Neutrality	passes test
Fatty acid esters (as C15H26O6)	0,025%
Acrolein and glucose	passes test
Water (H2O)	0,5 %
Heavy metals (as Pb)	0,0001%
As	0,00004 %
Cu	0,0001 %
Fe	0,0001 %
Ni	0,0001 %
Pb	0,0001 %

DOES NOT COME FROM ANIMAL ORIGIN.