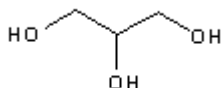


**PRODUCT CODE: 131339****Glycerol for analysis, ACS, ISO**

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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<sub>20/D</sub> : 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.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • 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/m<sup>3</sup>

**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 H <sub>2</sub> O	passes test
Darkened substances by H <sub>2</sub> SO <sub>4</sub>	passes test
Reducing substances of AgNO <sub>3</sub>	passes test
Residue on ignition (as SO <sub>4</sub> )	0,005 %
Chloride (Cl)	0,0001%
Ammonium (NH <sub>4</sub> )	0,0005%
Sulfate (SO <sub>4</sub> )	0,0005%
Chlorine compounds (as Cl)	0,003%
Neutrality	passes test
Fatty acid esters (as C <sub>15</sub> H <sub>26</sub> O <sub>6</sub> )	0,025%
Acrolein and glucose	passes test
Water (H <sub>2</sub> O)	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.**