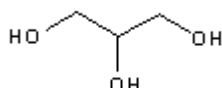


**PRODUCT CODE: 131339****Glycerol (Reag. USP) for analysis, ACS** $C_3H_8O_3$ 

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 • n₂₀/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.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • 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 H ₂ O	passes test
Darkened substances by H ₂ SO ₄	passes test
Residue on ignition (as SO ₄)	0,005 %
Chloride (Cl)	0,0001%
Ammonium (NH ₄)	0,0005%
Sulfate (SO ₄)	0,0005%
Chlorine compounds (as Cl)	0,003%
Neutrality	passes test
Fatty acid esters (as C ₁₅ H ₂₆ O ₆)	0,025%
Acrolein and glucose	passes test
Water (H ₂ O)	0,5 %
Heavy metals (as Pb)	0,0001%
As	0,00004 %
Cu	0,0001 %
Fe	0,0001 %
Ni	0,0001 %
Pb	0,0001 %

GLYCERINE OF VEGETABLE ORIGIN