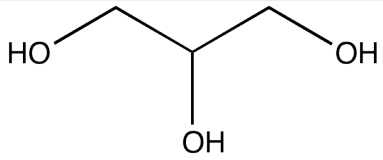
GL0027
Glycerol, 99%, Pharmpur®, Ph Eur, BP, USP

Identification

$C_3H_8O_3$
M = 92,10 g/mol
CAS [56-81-5]
EC number: 200-289-5
Taric code: 2905 45 00



Synonyms

Glycerin, 1,2,3-Propanetriol

Applications

analytical chemistry, synthesis of organic products, in explosive compositions, cosmetics, for pharmaceuticals synthesizing, in pharma industry.

Specifications

assay (acidimetric, on dried sample)	99,0 - 101,0 %
Identification IR	passes test
Identification B (USP)	passes test
Identification C (USP)	passes test
density (25º/25º)	min. 1,249
refractive index n20/D	1,470 - 1,475
appearance of solution	passes test
colour	passes test
acidity or alkalinity	passes test
aldehydes	max. 10 ppm
halogenated compounds (as Cl)	max. 30 ppm
chlorides (Cl)	max. 10 ppm
sulfates (SO_4)	max. 20 ppm
fatty acids and esters	passes test
esters	passes test
impurity A and related substances	passes test
impurity A	max. 0,1 %
any other impurity with retention time less than retention time of glycerol	max. 0,1 %
total of all impurities with retention time greater than the retention time of glycerol	max. 0,5 %
Related compounds:	
individual impurity	max. 0,1 %
total impurities	max. 1,0 %
limit of chlorinated compounds	passes test
sugars	passes test
residue on ignition	max. 0,01 %
water (K.F.)	max. 2,0 %

Physical data

- Density: 1,26 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: 18 ºC
- Boiling point: (0,09 hPa) 120 ºC
- Flash point: 160 ºC
- Ignition temperature: 400 ºC
- Vapour pressure: (20 ºC) < 0,001 hPa
- Expl. limit (lower): 0,9 Vol%
- pH(100 g/l H_2O, 20 ºC) ~ 5
- Hygroscopic

Transport/storage

- 10°C - 30°C