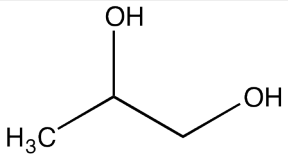
1,2-Propylene glycol, Pharmpur®, Ph Eur, BP, USP

Identification

$C_3H_8O_2$
M = 76,10 g/mol
CAS [57-55-6]
EC number: 200-338-0
Taric code: 2905 32 00



Synonyms

1,2-Propanediol, 1,2-Dihydroxypropane

Applications

in antifreeze compositions, for pharmaceuticals synthesizing, emulsifier, manufacturing of synthetic resins, in pharma industry.

Specifications

assay (G.C.)	min. 99,5 %
Identification IR	passes test
Identification C (USP)	passes test
Identification D (EP)	passes test
Limit of Diethylene Glycol and Ethylene Glycol	
Diethylene Glycol	max. 0,1 %
Ethylene Glycol	max. 0,1 %
boiling point	184 - 189 ºC
appearance	clear and colourless
density (20º/20º)	1,035 - 1,040
density (25º/25º)	1,035 - 1,037
refractive index n20/D	1,431 - 1,433
acidity	passes test
chlorides (Cl)	max. 70 ppm
sulfates (SO_4)	max. 60 ppm
oxidizing substances	passes test
reducing substances	passes test
residue on ignition	max. 0,007 %
water (K.F.)	max. 0,2 %

Physical data

- Density: 1,04 g/cm3
- Solub. in water: (20 ºC): miscible
- Melting point: -59 ºC
- Boiling point: 188 ºC
- Flash point: 99 ºC
- Ignition temperature: 371 ºC
- Vapour pressure: (20 ºC) 0,11 hPa
- Refraction index: (n 20 ºC/D) 1,43
- Expl. limit (upper): 17,4 Vol%
- Expl. limit (lower): 2,4 Vol%
- pH(100 g/l H_2O, 20 ºC) 6 - 8
- Hygroscopic

Transport/storage

- 10°C - 30°C