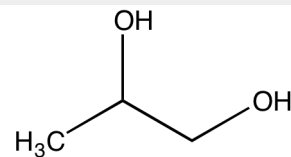


1,2-Propylene glycol, for analysis, ExpertQ®, Reag. Ph Eur**Identification**

C₃H₈O₂
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.

Specifications

assay (G.C.).....	min. 99,5 %	oxidizing substances.....	passes test
identity (IR-spectrum).....	passes test	reducing substances.....	passes test
appearance.....	clear and colourless	residue on ignition.....	max 0,005 %
colour (Hazen)	max. 10	water (K.F.).....	max. 0,2 %
density (20°/20°).....	1,035 - 1,040		
refractive index n ₂₀ /D.....	1,431 - 1,433		
acidity.....	passes test		
acidity.....	max. 0,0005 meq/g		

Physical data

- Density: 1,04 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -59 °C
- Boiling point: 188 °C
- Flash point: 99 °C
- Ignition temperature: 371 °C
- Vapour pressure: (20 °C) 0,11 hPa
- Refraction index: (n 20 °C/D) 1,43
- Expl. limit (upper): 17,4 Vol%
- Expl. limit (lower): 2,4 Vol%
- pH(100 g/l H₂O, 20 °C) 6 - 8
- Hygroscopic

Toxicological data

- LD 50 (oral, rat): 19400 - 36000 mg/kg
- WGK: 1
- Poison class CH (Swiss): F

Transport/storage

- Store between 15°C and 25°C