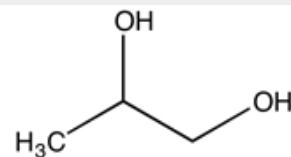


**1,2-Propylene glycol, for analysis, ExpertQ®, Reag. Ph Eur****Identification**

C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>  
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 %	acidity.....	passes test
identity (IR-spectrum).....	passes test	acidity.....	max. 0,0005 meq/g
appearance.....	clear and colourless	oxidizing substances.....	passes test
colour (Hazen)max. 10		reducing substances.....	passes test
density (20°/20°).....	1,035 - 1,040	residue on ignition.....	max 0,005 %
refractive index n <sub>20</sub> /D.....	1,431 - 1,433	water (K.F.).....	max. 0,2 %

**Physical data**

- Density: 1,04 g/cm<sup>3</sup>
- 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<sub>20 °C/D</sub>) 1,43
- Expl. limit (upper): 17,4 Vol%
- Expl. limit (lower): 2,4 Vol%
- pH(100 g/l H<sub>2</sub>O, 20 °C) 6 - 8
- Hygroscopic

**Transport/storage**

- 10°C - 30°C