

# Specification

**Formula Hill:** C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>  
**Molar Mass:** 76,09 g/mol  
**CAS N°:** 57-55-6

Print Date: 29 January 2024

110872 1,2-Propanediol Ph. Eur, USP, low endotoxin

## Specifications

|  |               |
|--|---------------|
| Assay by GC                                  | ≥ 99,5 %      |
| Identity (Ph. Eur.)                          |               |
| - A. (Relative density (d 20°C/20°C))        | 1,035 - 1,040 |
| - B. (Refractive index (n <sub>20</sub> /D)) | 1,431 - 1,433 |
| - C. Boiling point                           | 184 - 189 °C  |
| - D.   | 121 - 128 °C  |
| Identity (USP)                               |               |
| - B. (Diethylene glycol, ethylene glycol)    | ≤ 0,10 %      |
| - A. (IR)                                    | conforms      |
| - C.   | conforms      |
| Appearance                                   |               |
| - Viscous, clear, colourless                 | conforms      |
| - Hygroscopic liquid                         | conforms      |
| Appearance of solution                       | conforms      |
| Acidity                                      | conforms      |
| Chloride (Cl)                                | ≤ 0,0070 %    |
| Sulfate (SO <sub>4</sub> )                   | ≤ 0,0060 %    |
| Density 20/20 °C                             | 1,035 - 1,037 |
| Oxidizing substances                         | conforms      |
| Reducing substances                          | conforms      |
| Sulfated ash                                 | ≤ 0,0070 %    |
| Water by KF                                  | ≤ 0,20 %      |
| TAMC (total aerobic microbial count)         | ≤ 100 cfu/g   |
| TYMC (total yeast & mould count)             | ≤ 10 cfu/g    |
| Endotoxins                                   | ≤ 5 EU/g      |

The product cannot be considered as an Active Pharmaceutical Ingredient (API)

Conforms to: Ph. Eur., USP specification