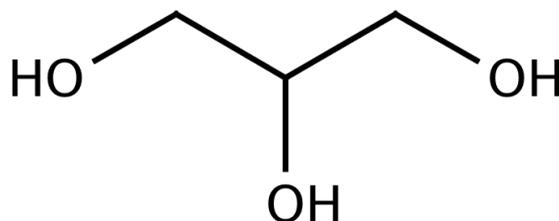


**FS-7009**

**Glycerol**

**Size:** 500 ml / 1000 ml  
**CAS Number:** 56-81-5  
**EINECS :** 200-289-5  
**MDL Number:** MFCD00004722  
**PubChem SID:** 310274263  
**Molecular Weight:** 92.09  
**Molecular Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>  
**Storage Temp.:** +20°C

**Physical Description:** Clear, colourless liquid  
**Assay:** ≥ 99.5%  
**Identification:** To pass BP, EP, USP tests  
**Appearance of Solution:** 25% in water: Clear, colourless solution  
**Acidity and Alkalinity:** ≤ 0.2ml (0.1M NaOH)  
**Refractive Index:** 1.471 - 1.474 (20°C)  
**Aldehydes:** ≤ 10ppm  
**Esters:** ≥ 8.0ml (0.1M HCl)  
**Impurities:** Impurity A and related substances: To pass BP, EP tests  
**Halogenated Compounds:** ≤ 35ppm  
**Sugars:** To pass BP, EP tests  
**Chlorides:** ≤ 10ppm  
**Heavy Metals:** ≤ 5ppm  
**Water:** ≤ 0.5%  
**Sulphated Ash:** ≤ 0.01%  
**Colour (APHA):** ≤ 10 Hazen  
**Arsenic (As):** ≤ 2ppm  
**Mercury (Hg):** ≤ 1ppm  
**Cadmium (Cd):** ≤ 1ppm  
**Lead (Pb):** ≤ 2ppm  
**Nickel (Ni):** ≤ 20ppm  
**Butanetriols:** ≤ 0.2%  
**3-MCPD:** ≤ 0.1ppm  
**Pharmacopoeia Specification(s)** BP, EP, USP  
**Specification Version :** v1.0



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