



Glycerol (30°Bé)

Synonyms:

1,2,3-Propanetriol

CH₂OHCHOHCH₂OH

Classification

Danger

Molecular weight

92 ONU

CAS

56-81-5 Transport hazard
class:

EEC-N:

200-289-5 Packing

Glycerol (30°Bé)

> ERBApharm - Vegetal origin - According to
Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

Pharmaceutical

| | | |
|--------------------------|----------------------------|---------|
| Description | Clear colourless liquid | - |
| Identification A | Conform | Ph.Eur. |
| Identification B | Conform | Ph.Eur. |
| Identification A | Conform to IR ref.spectrum | USP-NF |
| Identification B | Conform | USP-NF |
| Identification C | Same Rt to standard by GC | USP-NF |
| Appearance of solution S | Clear, colourless | Ph.Eur. |



| | | |
|--|--------------------------|---------|
| Acidity or alkalinity | Conform* | Ph.Eur. |
| Sugars | Conform* | Ph.Eur. |
| Esters | Conform* | Ph.Eur. |
| Fatty acids and esters | Conform* | USP-NF |
| Colour | Not darker than standard | USP-NF |
| Density at 25°C | ≥ 1.249* | - |
| Refractive index at 20°C | 1.470 - 1.475 | - |
| Water (K.F.) | ≤ 2.0 | % |
| Aldehyde | ≤ 10* | ppm |
| Sulfated ashes | ≤ 0.01* | % |
| Chloride | ≤ 10* | ppm |
| Limit of chlorinated compounds (as Cl) | ≤ 30* | ppm |
| Halogenated compounds | ≤ 35* | ppm |
| Heavy metals (as Pb) | ≤ 5* | ppm |
| Sulfate | ≤ 20* | ppm |
| Ethylene glycol | ≤ 0.10 | % |
| Diethylene glycol | ≤ 0.10 | % |
| Impurity A and related compounds | Conform | Ph.Eur. |
| Impurity Ret.time < glycerol | ≤ 0.1 | % |
| Total imp. Ret time > glycerol | ≤ 0.5 | % |



| | | |
|---------------------------------|--------------|----------|
| Related compounds | Conform | USP-NF |
| Any impurity | <= 0.1 | % |
| Total impurities | <= 1.0 | % |
| Assay (acidimetric) | 99.0 - 101.0 | % (d.s.) |
| Origin (BSE/TSE) | Conform | - |
| Residual solvents (Current ICH) | Conform | - |

| ID | Size | Packaging |
|--------------------|--------|--------------|
| 000000000000346161 | 1 l | Glass bottle |
| 000000000000346162 | 5 l | Plastic tank |
| 000000000000346165 | 2.5 l | Glass bottle |
| 000000000000346164 | 35 kg | Metal drum |
| 000000000000346167 | 250 kg | Metal drum |



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