

Technical Specification

PRODUCT : Propan-2-ol ERBApharm According to pharmacopoeia : Ph.Eur.-USP-Ph.Franc.-BP

CODE : 309500

MOLECULAR WEIGHT :60,1

CAS N° : 67-63-0

FORMULA : CH₃CHOHCH₃

| TEST | U.M. | SPECIFICATION |
|---|---------------|---|
| Description | - | Clear colourless liquid |
| Identification (I.R.) | - | Positive |
| Appearance of solution | Ph.Eur. | Clear colourless* |
| Acidity or alkalinity (ml NaOH 0,01M) | mL | <= 0.6* |
| Acidity (ml NaOH 0,020N) | mL | <= 0.70* |
| Peroxide (as H ₂ O ₂) | Ph.Eur. | Conform |
| Density d ₂₀ /20 | - | 0.785 - 0.789* |
| Density d ₂₅ /25 | - | 0.783 - 0.787* |
| Refractive index at 20°C | - | 1.376 - 1.378 |
| Water (K.F.) | % (w/w) | <= 0.1 |
| Non volatile substances | ppm | <= 20 |
| Assay (GC) | % | >= 99.9 |
| Benzene and related compounds | Ph.Eur. | - |
| Benzene | ppm (Ph.Eur.) | <= 2 |
| Related compounds (total of impurities apart from 2-butanol) (GC) | % | <= 0.3 |
| Limit of volatile impurities | USP-NF | Conform* |
| Limit of methanol (Identification C) | % (V/V) | <= 0.02* |
| Individual know impurity | % (V/V) | <= 0.1* |
| Individual unspecified impurity | % (V/V) | <= 0.1* |
| Total impurities (GC) | % (V/V) | <= 1.0* |
| UV Absorbance | Ph.Eur. | - |
| at 230 nm | AU | <= 0.30 |
| at 250 nm | AU | <= 0.10 |
| at 270 nm | AU | <= 0.03 |
| at 290 nm | AU | <= 0.02 |
| at 310 nm | AU | <= 0.01 |
| UV Absorbance curve from 230 to 310 nm | Ph.Eur. | Curve with no observable peaks or shoulders |
| Origin (BSE/TSE) | - | Synthesis |
| Residual solvents (Current ICH) | - | Conform* |

This batch has been released by authorized personnel

* Parameters marked with * are tested periodically

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
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