

# Technical Specification

**PRODUCT :** Ethanol absolute anhydrous ERBApharm -According to pharmacopoeia : Ph.Eur.-USP-BP-JP

**CODE :** 529120

**MOLECULAR WEIGHT :** 46,07

**CAS N° :** 64-17-5

**FORMULA :** C<sub>2</sub>H<sub>5</sub>OH

| TEST                              | U.M.      | SPECIFICATION           |
|-----------------------------------|-----------|-------------------------|
| Description                       | -         | Clear colourless liquid |
| Identification (I.R.)             | -         | Positive                |
| Color of solution                 | -         | Pass test*              |
| Clarity of solution               | -         | Pass test*              |
| Density d <sub>20</sub> /20       | -         | 0.790 - 0.793           |
| Density at 15.56°C                | -         | <= 0.7962               |
| Residue on evaporation            | ppm (w/V) | <= 25                   |
| Assay (alcoholometric) at 20°C    | % (V/V)   | >= 99.5                 |
| Assay (alcoholometric) at 15,56°C | % (V/V)   | >= 99.5                 |
| Acidity or alcalinity             | ppm       | <= 30*                  |
| Volatile impurities               | -         | Conform                 |
| Methanol                          | ppm (V/V) | <= 75                   |
| Acetal + acetaldehyde             | ppm (V/V) | <= 10                   |
| Benzene                           | ppm (V/V) | <= 2                    |
| Total other impurities            | ppm (V/V) | <= 300                  |
| Water (K.F.)                      | %         | <= 0.1                  |
| UV Absorbance (5cm, ref. water)   | -         | Conform                 |
| at 240 nm                         | AU        | <= 0.40                 |
| from 250 to 260 nm                | AU        | <= 0.30                 |
| from 270 to 340 nm                | AU        | <= 0.10                 |
| from 235 to 340 nm                | -         | Smooth curve            |

**CHARACTERS** Appearance: colourless, clear, volatile, flammable liquid, hygroscopic Solubility: miscible with water and with methylene chloride It burns with a blue, smokeless flame bp: about 78 °C Tests performed according Pharmacopoeia methods This batch has been released by authorized personnel \* Parameters marked with \* are tested periodically  
TSE/BSE and ICHQ3C are available on request

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It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application. CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

**Date: 19/08/2026**

Approved electronically, valid without a signature

**QUALITY LABORATORY  
TECHNICIAN  
MAXIME DAMBRE  
VAL DE REUIL**