

**Scharlab S.L.**

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**CERTIFICATE OF ANALYSIS**

Product 1,4-Dioxane, ExpertQ®, ACS, ISO, Reag. Ph Eur, stabilized with 2,5 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

Batch 20401903

Quality release date 11/02/2020

Expiry date 02/2022

**DI1289**

| Analysis                                      | Batch value   | Specifications |
|-----------------------------------------------|---------------|----------------|
| Assay (G.C.)                                  | 99,90 %       | ≥ 99,5         |
| Identity (IR-Spectrum)                        | passes test   | passes test    |
| Density (20°/4°)                              | 1,0338 g/mL   | 1,032 - 1,034  |
| Density (20°/20°)                             | 1,0357 g/mL   | 1,034 - 1,036  |
| Colour (Hazen)                                | 6             | ≤ 10           |
| Melting point                                 | min. 11,0 °C  | min. 11,0      |
| Acidity                                       | 0,00015 meq/g | ≤ 0,0008       |
| Aluminium (Al)                                | < 0,00005 %   | ≤ 0,00005      |
| Barium (Ba)                                   | < 0,00001 %   | ≤ 0,00001      |
| Boron (B)                                     | < 0,000002 %  | ≤ 0,000002     |
| Cadmium (Cd)                                  | < 0,000005 %  | ≤ 0,000005     |
| Calcium (Ca)                                  | < 0,00005 %   | ≤ 0,00005      |
| Chromium (Cr)                                 | < 0,000002 %  | ≤ 0,000002     |
| Cobalt (Co) %                                 | < 0,000002 %  | ≤ 0,000002     |
| Copper (Cu)                                   | < 0,000002 %  | ≤ 0,000002     |
| Iron (Fe)                                     | < 0,00001 %   | ≤ 0,00001      |
| Lead (Pb)                                     | < 0,00001 %   | ≤ 0,00001      |
| Magnesium (Mg)                                | < 0,00001 %   | ≤ 0,00001      |
| Manganese (Mn)                                | < 0,000002 %  | ≤ 0,000002     |
| Nickel (Ni)                                   | < 0,000002 %  | ≤ 0,000002     |
| Tin (Sn)                                      | < 0,00001 %   | ≤ 0,00001      |
| Zinc (Zn)                                     | < 0,00001 %   | ≤ 0,00001      |
| Acetaldehyde (G.C.)                           | 0,0007 %      | ≤ 0,005        |
| Formaldehyde (G.C.)                           | < 0,05 %      | ≤ 0,05         |
| Peroxides (as H <sub>2</sub> O <sub>2</sub> ) | < 0,005 %     | ≤ 0,005        |
| Carbonyl compounds (as HCHO)                  | < 0,01 %      | ≤ 0,01         |
| Residue on evaporation                        | 0,0003 %      | ≤ 0,001        |
| Water (K.F.)                                  | 0,0218 %      | ≤ 0,05         |

For laboratory use only

Results marked with # are out of specifications.

This certificate does not exempt the user from checking the results upon receipt of the goods.

Any copy of our CoA may be obtained from our website at [www.scharlab.com](http://www.scharlab.com)

This certificate modifies and cancels the content of the certificate with name DI1289\_20401903/1

Ricard Balladares Abella  
Laboratory Technician