



## CERTIFICATE OF ANALYSIS

**Product:** Etanol A 96% 25L (1002)  
**Batch Number:** 6092042  
**Date of Manufacture:** 2018-04-18  
**Used Before:** 2020-03-31

| Analysis                        | Method  | Limits                                                                                             | Results                                                  | Unit    |
|---------------------------------|---------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------|
| Rel. Density                    |         | 0,8036 – 0,8109                                                                                    | 0,806                                                    | Kg/l    |
| Ethanol Strenght                | Ph.Eur. | 95,1 – 96,9                                                                                        | 96,4                                                     | Vol-%   |
| Absorbance<br>235 – 340 nm, 5cm | Ph.Eur. | A <sub>240 nm</sub> < 0,40<br>A <sub>250 – 260 nm</sub> < 0,30<br>A <sub>270 – 340 nm</sub> < 0,10 | < 0,40<br>< 0,30<br>< 0,10<br>Absorption curve is smooth |         |
| Identification A                | Ph.Eur. | Complies with<br>the test for relative<br>density                                                  | Approved                                                 | ---     |
| Identification C                | Ph.Eur. | Approved                                                                                           | Approved                                                 | ---     |
| Identification D                | Ph.Eur. | Approved                                                                                           | Approved                                                 | ---     |
| Appearance                      | Ph.Eur. | Clear, colorless                                                                                   | Clear, Colorless                                         | ---     |
| Acidity or Alkalinity           | Ph.Eur. | Approved                                                                                           | Approved                                                 | ---     |
| Methanol                        | Ph.Eur. | < 200                                                                                              | < 2                                                      | ppm V/V |
| Acetaldehyde + acetal           | Ph.Eur. | < 10                                                                                               | < 3                                                      | ppm V/V |
| Benzene                         | Ph.Eur. | < 2                                                                                                | < 2                                                      | ppm V/V |
| Total of other impurities       | Ph.Eur. | < 300                                                                                              | < 9                                                      | ppm V/V |
| Residue on Evaporation          | Ph.Eur. | < 25                                                                                               | < 10                                                     | ppm m/V |

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