



**ChemPure\* Brand  
Chemicals**

...Pure Quality

## Certificate of Analysis

Product: ChemPure Reagent Alcohol

Catalog Number: CP-T9085

Lot Number: K20F24CP

Date of Manufacture: 06/26/2020

Expiration Date: 06/26/2023

Grain Derived Pure 200 Proof Ethanol (Anhydrous)  
Denatured with Methanol & Isopropyl

| TEST                                  |             | SPECIFICATION           | RESULT        |
|---------------------------------------|-------------|-------------------------|---------------|
| Assay (by GC):                        | Ethanol     | 89.5 -91.5%             | 90.55%        |
|                                       | Methanol    | 4.0-5.0%                | 4.49%         |
|                                       | Isopropanol | 4.5-5.5%                | 4.96%         |
| Assay:                                | SDA3A 200   | 94.0-96.0%              | 95.04%        |
|                                       | Isopropanol | 4.0-6.0%                | 4.96%         |
| Water                                 |             | 0.2% max.               | 0.05%         |
| Residue After Evaporation             |             | 10 ppm max.             | <10 ppm       |
| Specific Gravity                      |             | 0.7902 - 0.7912@ 20.0-c | 0.7905        |
| Color (Pt-Co)                         |             | 10 Max.                 | <10           |
| Appearance                            |             | Clear Liquid            | Pass          |
| Odor                                  |             | Characteristic          | Pass          |
| Identification                        |             | To Pass Test            | Pass          |
| Titration Acid                        |             | 0.0003 meq/g            | <0.0003 meq/g |
| Titration Base                        |             | 0.0002 meq/g            | <0.0002 meq/g |
| Substances Reducing KMnO <sub>4</sub> |             | To Pass Test            | Pass          |
| Solubility in Water                   |             | To Pass Test            | Pass          |
| Refractive Index                      |             | 1.3580-1.3610@ 25•c     | 1.3586        |

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