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### Certificate of Analysis

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|----------|--------------------------------------|----------------------------|
| Product: | IsoPropanol, 2-Propanol              | CP-D9091P                  |
| CAS#     | 67-63-0                              | Lot: E050826CP             |
| Formula: | (CH <sub>3</sub> ) <sub>2</sub> CHOH | FW: 60.10 g/mol            |
| MDL:     | MFCD00011674                         | Density: 0.7864 g/cc @ 20C |
| EC:      | 200-661-7                            | Grade: ACS/USP/NF          |

Meets ACS, USP and NF Grade Specifications

| TEST                      | LIMITS            | RESULT        |
|---------------------------|-------------------|---------------|
| Appearance                | Clear, Colorless  | Pass          |
| Assay                     | min 99.5%         | 99.98%        |
| Carbonyl Compounds        | 0.002%            | <0.0002%      |
| Color (APHA)              | 10                | 5             |
| Density (g/mL) @ 20°C     | 0.7862 - 0.7870   | 0.7864        |
| Density (g/mL) @ 25°C     | 0.7830 – 0.7840   | 0.7831        |
| Boiling Range             | 82.3°C +/- 0.1° C | PASS          |
| Residue after evaporation | 0.001%            | <0.0001%      |
| Solubility in water       | Passes ACS Test   | Pass          |
| Titrateable Acid or Base  | 0.0001 meq/g      | <0.0001 meq/g |
| Carbonyl compounds        | 0.002%            | <0.001%       |
| Nickel ( Ni )             | max. 0.1ppm       | <0.02ppm      |
| Copper ( Cu )             | max. 0.1ppm       | <0.02ppm      |
| Iron ( Fe )               | max. 0.1ppm       | <0.02ppm      |
| Heavy metals ( as Pb)     | max. 0.2ppm       | <0.02ppm      |
| Water                     | max. 0.2%         | <0.01%        |
| Manufacturing Date        |                   | May - 2026    |
| Retest Date               |                   | May - 2031    |

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