

Certificate of Analysis

Isopropyl Alcohol, 70% (v/v)

Lot Number: 2401F75**Product Number:** 4210**Manufacture Date:** JAN 16, 2024**Expiration Date:** DEC 2025

This product is intended for laboratory cleaning and disinfection purposes and is typically used for disinfection of surfaces. All components of this product are filtered as part of the manufacturing process. The residue after evaporation is typically 0.001% (10 ppm) maximum at the time of manufacturing. A culture/colony count of 1 CFU/mL, or less, is typical for the water at the time of manufacturing.

| Name | CAS# | Grade |
|-------------------|-----------|-----------------|
| Isopropyl Alcohol | 67-63-0 | ACS/USP |
| Water | 7732-18-5 | ACS/ASTM/USP/EP |

| Test | Specification | Result |
|-----------------------------|------------------|------------|
| Appearance | Colorless liquid | Passed |
| Assay (by Specific Gravity) | 68-72 % (v/v) | 69 % (v/v) |
| Specific Gravity at 20°C | 0.874-0.882 | 0.879 |

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

| Part Number | Size / Package Type | Shelf Life (Unopened Container) |
|-------------|---------------------|---------------------------------|
| 4210-1G | 4 L amber glass | 24 months |

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (01/16/2024)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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