

# Certificate of Analysis

## Reagent Alcohol (Denatured Alcohol), 70% (v/v)

Lot Number: 2309E77

Product Number: 2546.70

Manufacture Date: SEP 05, 2023

Expiration Date: JUL 2026

The concentration of this solution is calculated based on the result of the specific gravity at 20 °C.

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Water	7732-18-5	Reagent
Isopropyl Alcohol	67-63-0	Reagent
Methyl Alcohol	67-56-1	Reagent

Test	Specification	Result
Acidity (as Acetic Acid)	max 0.0025	0.0025 %
Appearance	Colorless liquid	Passed
Assay	68-72 % (v/v)	70 % (v/v)
Color (APHA)	0-10	10
Specific Gravity at 20°C	0.880-0.890	0.881

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)
2546.70-1SC	4 L safety-coated glass	36 months

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

Sharon Travers (09/05/2023)

Operations Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.