

Certificate of Analysis

Ethanol, 95.5% USP**Lot Number:** 4401J87**Product Number:** R2916000**Date Packaged:** JAN 15, 2024**Expiration Date:** DEC 2026**Contains**C₂H₅OH CAS No. 64-17-5 MW 46.07

Test	Specification	Result
Acidity or Alkalinity	To Pass Test	Passed
Appearance	Colorless liquid	Passed
Assay	94.9-96.0 % (v/v)	95.0 % (v/v)
Clarity	To Pass Test	Passed
Color	To Pass Test	Passed
Identification - Ethanol	To Pass Test	Passed
Nonvolatile Residue	To Pass Test	Passed
Specific Gravity	0.812-0.816 at 15.56°C	0.816 at 15.56°C
UV Absorption	To Pass Test	Passed
Volatile Impurities	To Pass Test	Passed

Specification**Reference**

Alcohol USP (Current)

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)
R2916000-1A	1 L natural poly	36 months

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

Paul Brandon (01/15/2024)

Production 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.