

Certificate of Analysis

Reagent Alcohol, ACS Reagent Grade Anhydrous, Absolute

Lot Number: 4404M36

Product Number: 6590

Manufacture Date: APR 24, 2024

Expiration Date: JAN 2027

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	ACS
Isopropyl Alcohol	67-63-0	ACS
Methyl Alcohol	67-56-1	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Color (APHA)	max 10	10
Ethanol (Ethyl Alcohol)	89.5-91.5 % (v/v)	90.5 % (v/v)
Isopropyl Alcohol	4.0-6.0 % (v/v)	5.0 % (v/v)
Methanol (Methyl Alcohol)	4.0-5.0 % (v/v)	4.6 % (v/v)
Residue after evaporation (Non-Volatile Matter)	max 0.001 %	0.001 %
Water (H ₂ O)	max 0.5 %	0.02 %

Specification	Reference
Reagent Alcohol	ACS (N/A)

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)
6590-16	500 mL natural poly	36 months
6590-32	1 L natural poly	36 months

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

Paul Brandon (04/24/2024)

Production Manager

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