

Certificate of Analysis

Methanol, HPLC Grade

Lot Number: 4403J96

Product Number: R4828000

Date Packaged: MAR 14, 2024 Recommended Retest Date: DEC 2028

Contains

CH₃OH CAS No. 67-56-1 MW 32.04

Test	Specification	Result
Absorbance	To Pass Test	Passed
Acetone	max 0.001 %	0 %
Appearance	Colorless liquid	Passed
Assay	min 99.90	99.97 %
Carbonyl Compounds: Acetaldehyde	max 0.001 %	0.001 %
Color (APHA)	max 10	1
Formaldehyde (HCHO)	max 0.001 %	0.001 %
LC Suitability (Gradient Elution Test)	To Pass Test	Passed
Residue after evaporation (Non-Volatile Matter)	max 0.001 %	0 %
Solubility in Water	To Pass Test	Passed
Substances Darkened by Sulfuric Acid	To Pass Test	Passed
Substances Reducing Permanganate	To Pass Test	Passed
Titrable Acid	max 0.0003	0.0002 meq/g
Titrable Base	max 0.0002	0.0001 meq/g
Water (H_2O)	max 0.1	0.03 %

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	
R4828000-1C	1 L amber glass	
R4828000-4C	4 L amber glass	
Recommended Storage: 15°C - 30°C (59°F - 86°F)		

Fand Brandon

Paul Brandon (03/14/2024) 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.