Rocky Mountain Reagents
SCIENTIFIC SOLUTIONS SINCE 1951

CERTIFICATE OF ANALYSIS

Product: Methyl Alcohol, Technical Grade
Catalog Number: M1027
Lot Number: 09-560
Test Date: 09/27/26
CAS #: 67-56-1
Chemical Formula: CH_3OH
Formula Weight: 32.04

Method	Test	Min	Max	Result	Units
ASTM D4052	Specific Gravity 20/20°C	0.7910	0.7930	0.7924	
IMPCA003-98	Appearance	Clear and free from suspended matter		Clear and free from suspended matter	
ASTM D1209	Platinum Cobalt Color		5	< 5	
ASTM E346	Carbonizables Substances		30	< 5	Pt/Co scale
ASTM D5453*	Total Sulfur Content		0.5	< 0.5	mg/kg
IMPCA002-98	Chloride as Cl-		0.5	< 0.5	mg/kg
ASTM D1363	Permanganate Time				
	Temperature of Test in °C			15	
	Permanganate Time	60		> 60	Min
ASTM E1064	Water Content		0.050	0.018	%wt
ASTM D1613	Acidity as Acetic Acid		0.0030	0.0015	%wt
ASTM D1614	Alkalinity as Ammonia		0.0003	< 0.0001	%wt
ASTM D1722	Water Miscibility		Pass	Pass	
ASTM D1353	Nonvolatile Residue		0.0008	< 0.0001	%wt
IMPCA001*	Methanol Purity				
	Methanol Purity	99.85		> 99.99	%wt
	Benzene		2	< 2	ppmw
	Acetone		0.003	< 0.001	%wt
	Ethanol		0.0020	< 0.001	%wt
ASTM E394*	Iron Content		0.10	< 0.10	µg/g
ASTM D1078	Distillation Range of Volatile Organic Liquids				
	IBP			64.6	°C
	Dry Point	64.6		64.8	°C
	Delta T		1	0.2	°C

Notes: *Method Modification: Result is reported outside (lower/higher) the scope of the method

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It is certified on 10/20/26 that the above is a true copy of the actual lot analysis.

Grant Christen
Quality Systems and Regulatory Affairs
Rocky Mountain Reagents, Inc.

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