

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global
 Certificate Number: QMS42099

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|---------------------------|--|
| Catalogue Number | 17684 |
| Lot Number | 2682941 |
| Description | Methanol |
| CAS Number | 67-56-1 |
| Quality Test/Release Date | 17/Jun/2026 |
| Expiry Phrase | Use within 5 years of opening |
| Country of Origin | Trinidad and Tobago |
| Declaration of Origin | Synthetic |
| BSE/TSE | Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes). |

| Result Name | Units | Specifications | Test Value |
|-------------------------------------|-------|------------------|------------------|
| Acidity/alkalinity (meq/g) | meq/g | <= 0.0005 | 0.00002 |
| Assay (GC) | % | >= 99.85 | 100.00 |
| Calcium (Ca) | ppm | <= 0.2 | <0.02 |
| Carbonyl compounds | % | <= 0.001 | <0.001 |
| Chemical form | | Mobile liquid | Mobile liquid |
| Colour | APHA | <= 5 | <5 |
| Copper (Cu) | ppm | <= 0.02 | <0.01 |
| Ethanol | % | <= 0.05 | 0.0011 |
| Iron (Fe) | ppm | <= 0.1 | <0.02 |
| Lead (Pb) | ppm | <= 0.02 | <0.005 |
| Magnesium (Mg) | ppm | <= 0.05 | <0.01 |
| Potassium (K) | ppm | <= 0.5 | <0.02 |
| Propan-2-ol | % | <= 0.005 | 0.0002 |
| Residue after evaporation (ppm) | ppm | <= 10 | None Detected |
| Sodium (Na) | ppm | <= 0.5 | <0.1 |
| Solubility in water | | Must be 'Pass' | Pass |
| Substances darkened by H2SO4 (APHA) | APHA | <= 5 | <5 |
| Substances reducing KMnO4 | % | <= 0.00025 | <0.00025 |
| Total phosphorus (P) | ppm | <= 0.05 | <0.02 |
| Total silicon (Si) | ppm | <= 0.05 | <0.02 |
| Total sulfur (S) | ppm | <= 0.1 | <0.05 |
| Visual colour | | Clear colourless | Clear colourless |
| Water | % | <= 0.05 | 0.011 |
| Zinc (Zn) | ppm | <= 0.05 | <0.01 |

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

A. Ganatra

Ashok Ganatra
Supervisor, QC

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