

Fisher Scientific UK Ltd. Bishop Meadow Road Loughborough, LE11 5RG, United Kingdom

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

Catalogue Number Lot Number Description CAS Number Quality Test/Release Date Expiry Phrase Country of Origin A456 2540460 Methanol LC-MS For LC-MC analysis 67-56-1 06/Jun/2025 Expires:5 years from analysis date Trinidad and Tobago

| Result Name | Units | Specifications | Test Value |
|---|------------|--------------------------------------|-------------------------|
| APPEARANCE | | Must be 'CLEAR, COLORLESS LIQUID' | CLEAR, COLORLESS LIQUID |
| ASSAY | % | >= 99.9 | 100.00 |
| COLOR | APHA | <= 10 | <5 |
| EVAPORATION RESIDUE | ppm | <= 1 | None Detected |
| IDENTIFICATION | | Must be 'PASS' | PASS |
| IONIC IMPURITY - ALUMINUM (AI) | ppb | <= 10 | <5 |
| IONIC IMPURITY - BARIUM (Ba) | ppb | <= 10 | <2 |
| IONIC IMPURITY - CADMIUM (Cd) | ppb | <= 10 | <2 |
| IONIC IMPURITY - CALCIUM (Ca) | ppb | <= 20 | <10 |
| IONIC IMPURITY - CHROMIUM (Cr) | ppb | <= 10 | <2 |
| IONIC IMPURITY - COBALT (Co) | ppb | <= 10 | <2 |
| IONIC IMPURITY - COPPER (Cu) | ppb | <= 10 | <5 |
| IONIC IMPURITY - IRON (Fe) | ppb | <= 10 | <5 |
| IONIC IMPURITY - LEAD (Pb) | ppb | <= 10 | <5 |
| IONIC IMPURITY - MAGNESIUM (Mg) | ppb | <= 10 | <5 |
| IONIC IMPURITY - MANGANESE (Mn) | ppb | <= 10 | <2 |
| IONIC IMPURITY - NICKEL (Ni) | ppb | <= 10 | <2 |
| IONIC IMPURITY - POTASSIUM (K) | ppb | <= 10 | <10 |
| IONIC IMPURITY - SILVER (Ag) | ppb | <= 10 | <2 |
| IONIC IMPURITY - SODIUM (Na) | ppb | <= 50 | <50 |
| IONIC IMPURITY - TIN (Sn) | ppb | <= 10 | <5 |
| IONIC IMPURITY - ZINC (Zn) | ppb | <= 10 | <5 |
| LC GRADIENT TEST WITH PDA (200-400 NM) | mAU | <= 2 | None Detected |
| LCMS SUITABILITY - NEG. MODE (AS | ppb | <= 50 | <50 |
| CHLORAMPHENICOL) | | | |
| LCMS SUITABILITY - POS. MODE (AS PROPAZINE) | ppb | <= 100 | <100 |
| OPTICAL ABS AT 210 NM | ABS. UNITS | <= 0.5 | 0.093 |
| OPTICAL ABS AT 214 NM | ABS. UNITS | <= 0.4 | 0.03 |
| OPTICAL ABS AT 220 NM | ABS. UNITS | <= 0.2 | 0.01 |
| OPTICAL ABS AT 230 NM | ABS. UNITS | <= 0.1 | 0.003 |
| OPTICAL ABS AT 254 NM | ABS. UNITS | <= 0.01 | 0.002 |
| OPTICAL ABS AT 260 NM | ABS. UNITS | | 0.004 |
| OPTICAL ABS AT 280 NM | ABS. UNITS | <= 0.005 | 0.005 |
| TITRATABLE ACID | mEq/g | <= 0.0003 | 0.00013 |
| | mEq/g | <= 0.0002 | 0.00002 |
| WATER (H2O) | % | <= 0.02 | 0.01 |

Additional Information Filtered to 0.1 micron

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.



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