

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global
Certificate Number: CERT-0120633

| | |
|---------------------------|--|
| Catalogue Number | E197 |
| Lot Number | 261032 |
| Description | ETHYL ETHER, ANHYDROUS, SPECTRANALYZED |
| CAS Number | 60-29-7,64-17-5 |
| Quality Test/Release Date | 16/Jun/2026 |
| Expiration Date | 31/Jul/2027 |
| Country of Origin | Mexico |
| Declaration of Origin | Organic - synthetic |
| BSE/TSE | This product was derived from synthetic raw materials and the manufacturing process excluded contamination with any animal products. |

| Result Name | Units | Specifications | Test Value |
|------------------------------|------------------|---------------------------------|--|
| APPEARANCE | | REPORT | Clear, colorless liquid free of suspended matter |
| ACIDITY | ppm | <= 5 | <1 |
| ALCOHOL CONTENT | % | Inclusive Between 1.5 - 2.5 | 1.6 |
| ASSAY | % | >= 99 | 99.95 |
| CARBONYL COMPOUNDS | % | <= 0.001 | <0.001 |
| COLOR | APHA | <= 10 | 5 |
| COPPER (Cu) | ppm | <= 0.1 | <0.1 |
| DENSITY AT 25 DEGREES C | GM/ML | Inclusive Between 0.708 - 0.710 | 0.708 |
| EVAPORATION RESIDUE | % | <= 0.001 | 0.0001 |
| HEAVY METALS (as Pb) | ppm | <= 1 | <1 |
| IDENTIFICATION | PASS/FAIL | = PASS TEST | PASS TEST |
| NICKEL (Ni) | ppm | <= 0.1 | <0.1 |
| OPTICAL ABS AT 220 NM | ABSORBANCE UNITS | <= 1 | 0.12 |
| OPTICAL ABS AT 221 NM | ABSORBANCE UNITS | <= 0.8 | 0.11 |
| OPTICAL ABS AT 224 NM | ABSORBANCE UNITS | <= 0.6 | 0.11 |
| OPTICAL ABS AT 231 NM | ABSORBANCE UNITS | <= 0.4 | 0.09 |
| OPTICAL ABS AT 242 NM | ABSORBANCE UNITS | <= 0.2 | 0.06 |
| OPTICAL ABS AT 254 NM | ABSORBANCE UNITS | <= 0.1 | 0.03 |
| OPTICAL ABS AT 270 NM | ABSORBANCE UNITS | <= 0.03 | 0.01 |
| OPTICAL ABS AT 400 NM | ABSORBANCE UNITS | <= 0.01 | 0.001 |
| PEROXIDE | ppm | <= 5 | <1 |
| SUBSTANCES DARKENED BY H2SO4 | PASS/FAIL | = PASS TEST | PASS TEST |

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.



Ash Frey
Supervisor, Quality Control

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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.