Fisher Scientific L.L.C. US
755 US Highway
Route 202, Bridgewater,
NJ 08807, United States of America

# 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 | A464 |
| Lot Number | 263241 |
| Description | 2-PROPANOL, OPTIMA, A.C.S. |
| CAS Number | 67-63-0 |
| Quality Test/Release Date | 28/Sep/2026 |
| Suggested retest date | 27/Aug/2031 |
| Country of Origin | Canada |
| Declaration of Origin | Organic - Synthetic |
| BSE/TSE | This product is produced entirely from petrochemical sources and does not contain or come into contact with any material of animal or vegetable origin. |

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| APPEARANCE | | REPORT | Clear, Colorless Liquid |
| ACETONE | % | <= 0.002 | <0.002 |
| ASSAY | % | >= 99.9 | 99.9 |
| COLOR | A.P.H.A. | <= 5 | <5 |
| FLUORESCENCE BACKGROUND | ppb | <= 1 | <1 |
| IDENTIFICATION | CONFORMS TO STANDARD | = CONFORMS TO STANDARD | CONFORMS TO STANDARD |
| OPTICAL ABS AT 210 NM | ABSORBANCE UNITS | <= 1.00 | 0.40 |
| OPTICAL ABS AT 220 NM | ABSORBANCE UNITS | <= 0.20 | 0.19 |
| OPTICAL ABS AT 230 NM | ABSORBANCE UNITS | <= 0.10 | 0.09 |
| OPTICAL ABS AT 254 NM | ABSORBANCE UNITS | <= 0.015 | 0.011 |
| PROPIONALDEHYDE | % | <= 0.002 | <0.002 |
| RESIDUE | ppm | <= 1 | <1 |
| SOLUBILITY IN WATER | PASS/FAIL | = PASS TEST | PASS TEST |
| TITRATABLE ACID OR BASE | mEq/g | <= 0.0001 | 0.0001 |
| WATER (H2O) | % | <= 0.05 | <0.05 |

Additional Information Filtered to 5.0 micron

Liam Higgins
Senior Manager, Quality

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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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.

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