

## Certificate of Analysis

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

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A464	Quality Test / Release Date	03/14/2025
Lot Number	246340		
Description	2-PROPANOL, OPTIMA, A.C.S.		
Country of Origin	Canada	Suggested Retest Date	Mar/2030
Chemical Origin	Organic - Synthetic		
BSE/TSE Comment	This product is produced entirely from petrochemical sources and does not contain or come into contact with any material of animal or vegetable origin.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless Liquid
ACETONE	%	<= 0.002	<0.002
ASSAY	%	>= 99.9	100.0
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	0.41
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	0.009
PROPIONALDEHYDE	%	<= 0.002	<0.002
RESIDUE	ppm	<= 1	0
SOLUBILITY IN WATER	PASS/FAIL	= PASS TEST	PASS TEST
TITRATABLE ACID OR BASE	mEq/g	<= 0.0001	0.0001
WATER (H2O)	%	<= 0.05	0.01



Himanshu Patel - Sr. Manager Quality - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.  
 If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.