



Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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	A516	Quality Test / Release Date	06/20/2019
Lot Number	193751		
Description	2-PROPANOL, USP		
Country of Origin	United States	Suggested Retest Date	Jun/2022
Chemical Origin	Organic - synthetic		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment	This product is free of Genetically Modified Organisms (GMO's). It is free of known allergy-stimulating substances: peanuts, soybeans, milk, eggs, fish, shellfish, tree nuts, and/or wheat or gluten.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	CLEAR COLORLESS LIQUID
ACIDITY	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 99	99.9
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
NON-VOLATILE MATTER	%	<= 0.005	<0.0005
WATER (H2O)	%	<= 0.5	<0.05
RESIDUAL SOLVENTS	Meets Requirements	= MEETS REQUIREMENTS	MEETS REQUIREMENTS
SPECIFIC GRAVITY @ 25 DEG C		Inclusive Between 0.783 - 0.787	0.783
REFRACTIVE INDEX @ 20 DEG C		Inclusive Between 1.376 - 1.378	1.377

USP Grade

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	CLEAR COLORLESS LIQUID
LIMIT OF VOLATILE IMPURITIES		= PASS TEST	PASS TEST
USP PROTOCOL REQUIRED		= PASS TEST	PASS TEST

Residual Solvents	None of the Class 1 solvents is likely to be present at the specified limits. Cyclohexane is the only Class 2 solvent likely to be present, below the Option 1 limit of 3880 PPM. 1-butanol, 2-butanol, 1-pentanol, 1-propanol, acetone, ethanol, and 2-methyl-1-propanol are Class 3 solvents that might be present at less than 0.5%. 2-propanol itself is a class 3 solvent. None of the Class 4 residual solvents are likely to be present.		
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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.



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Jerusa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Bridgewater

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