

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 – 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	A395	Quality Test / Release Date	03/28/2023
Lot Number	231241		
Description	BENZYL ALCOHOL, NF		
Country of Origin	United States	Suggested Retest Date	Mar/2026
Chemical Origin	ORGANIC		
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.		

NF Grade			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ACIDITY	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	Inclusive Between 98.0 - 100.5	99.9
BENZALDEHYDE	%	<= 0.15	0.04
CLARITY OF SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
COLOR OF SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
CYCLOHEXYLMETHANOL	%	<= 0.10	0.00
IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
NON-VOLATILE RESIDUE	%	<= 0.05	<0.05
OTHER IMPURITIES W/RET TIME<BENZ ALC	%	<= 0.04	0.02
OTHER IMPURITIES W/RET TIME>BENZ ALC	%	<= 0.3	0.0
PEROXIDE VALUE		<= 5	0
REFRACTIVE INDEX @ 20 DEG C		Inclusive Between 1.538 - 1.541	1.541
RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST

Residual Solvents	None of the Residual Solvent chemicals are used in the production of Benzyl Alcohol. However, our bulk material supplier has informed us that on occasion, small quantities of benzene and/or toluene may be found in the product. Accordingly, every lot of BENZYL ALCOHOL NF is tested by our supplier for the presence of benzene and toluene, with additional support from analysis by outside independent analytical laboratories. Therefore we can certify that every lot of Benzyl Alcohol NF meets the O.V.I./Residual Solvents requirements of the Pharmacopoeia for the Class 1 Residual Solvent Benzene to a maximum of 2 ppm and for the Class 2 Residual Solvent Toluene to a maximum of 30 ppm. There is no potential for any other Residual Solvents to be present.
-------------------	--

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.



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 – 0120633

A handwritten signature in cursive script that reads "Dudhatra cheta".

Chetan Dudhatra - Quality Control Supervisor - 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.