

## 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 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	BP231	Quality Test / Release Date	11/07/2023
Lot Number	235230		
Description	DIMETHYLSULFOXIDE		
Country of Origin	India	Suggested Retest Date	Nov/2028
Chemical Origin	Organic - non animal		
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.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ABSORBANCE AT 280NM	ABSORBANCE UNITS	<= 0.30	0.138
ASSAY	%	>= 99.7	99.98
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 1.090 - 1.100	1.095
EVAPORATION RESIDUE	%	<= 0.001	0.001
FREEZING POINT	DEGREES CELSIUS	>= 18.0	18.5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.2	0.03



Kalyan Paruchuri - 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.