

## 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 – 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	T11110	Quality Test / Release Date	05/03/2022
Lot Number	221840		
Description	LC, flush solution, LCMS		
Country of Origin	United States	Suggested Retest Date	May/2027

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (2-PROPANOL)	%	Inclusive Between 23 - 27	25
ASSAY (ACETONITRILE)	%	Inclusive Between 23 - 27	25
CALCIUM (Ca)	ppb	<= 20	<1
COLOR	APHA	<= 10	<5
METHANOL	%	Inclusive Between 23 - 27	25
OPTICAL ABS AT 210 NM	AU	<= 1.00	0.11
OPTICAL ABS AT 220 NM	AU	<= 0.50	0.1
OPTICAL ABS AT 254 NM	AU	<= 0.05	0.02
POLYETHYLENE GLYCOL	DETECTED/NOT DETECT.	IN NOT DETECTED	NOT DETECTED
POTASSIUM (K)	ppb	<= 10	1
RESIDUE	ppm	<= 1	<0.1
SODIUM (Na)	ppb	<= 50	7
WATER (H2O)	%	Inclusive Between 23 - 27	24



Ira Marootian - Quality Control Manager - Fair Lawn

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.