Fisher Scientific L.L.C. US
1 Reagent Lane
Fair Lawn,
NJ 07410, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	J18886
Lot Number	256714
Description	MES MONOHYDRATE, ULTRAPURE
CAS Number	145224-94-8
Quality Test/Release Date	14/Apr/2026
Suggested retest date	17/Mar/2030
Country of Origin	Taiwan
Declaration of Origin	Synthetic
BSE/TSE	Animal Origin Free (AOF): Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White / clear crystalline powder
ABSORBANCE 1M SOL AT 250NM	NM	<= 0.1	<0.1
ASSAY	%	>= 98.5	100.4
IDENTIFICATION, I.R.	Matches Reference	= MATCHES REFERENCE	MATCHES REFERENCE
IRON (Fe)	ppm	<= 30	<30
LEAD (Pb)	ppm	<= 10	<10
MOISTURE (KF)	%	<= 11	8.6
PKA AT 20 DEGREES C	DEG C	Inclusive Between 6 - 6.3	6.296
SOLUBILITY, 100 MG/ML IN WATER	CLEAR_COLORLESS	= CLEAR AND COLORLESS	CLEAR AND COLORLESS

Harout Sahagian
QC Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.