

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	M63
Lot Number	252457
Description	MAGNESIUM SULFATE, HEPTAHYDRATE, A.C.S.
CAS Number	10034-99-8
Quality Test/Release Date	24/Feb/2026
Suggested retest date	31/May/2030
Country of Origin	India
Declaration of Origin	Inorganic-non animal
BSE/TSE	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.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless to white crystals or crystalline powder.
AMMONIUM	%	<= 0.002	<0.002
ASSAY	%	Inclusive Between 98 - 102	100
CALCIUM	%	<= 0.02	0.02
CHLORIDE	ppm	<= 5	<5
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	0.001
IRON (Fe)	ppm	<= 5	<5
MANGANESE (Mn)	ppm	<= 5	2
NITRATE (NO ₃)	%	<= 0.002	<0.002
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 5.0 - 8.2	5.9
POTASSIUM (K)	%	<= 0.005	0.001
SODIUM (Na)	%	<= 0.005	0.001
STRONTIUM (Sr)	%	<= 0.005	0.002



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.