

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
 Certificate Number. 951001163

Catalogue Number	036226
Lot Number	R07M022
Description	Magnesium chloride hexahydrate, ACS, 99.0-102.0%
CAS Number	7791-18-6
Quality Test/Release Date	08/May/2026
Suggested retest date	08/May/2029
Country of Origin	India

Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	99.0-102.0% MgCl <sub>2</sub> •6H <sub>2</sub> O	100.56
Form		Solid	Solid
Heavy Metals	ppm	(ICP-OES): ≤5ppm	<5
Impurity content	%	Ba: ≤0.005%	<0.005
Impurity content	%	Ca: ≤0.01%	0.0006
Impurity content	ppm	Fe: ≤5ppm	<5
Impurity content	%	K: ≤0.005%	0.0016
Impurity content	ppm	Mn: ≤5ppm	0
Impurity content	%	Na: ≤0.005%	0.0025
Impurity content	%	NH <sub>4</sub> : ≤0.002%	<0.002
Impurity content	%	NO <sub>3</sub> : ≤0.001%	<0.001
Impurity content	ppm	PO <sub>4</sub> : ≤5ppm	<5
Impurity content	%	Sr: ≤0.005%	0.0028
Impurity content	%	SO <sub>4</sub> : ≤0.002%	<0.002
Insoluble material	%	≤0.005%	0.0025



Derek Roy  
 Quality Manager, LCD

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 and development use only. 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.