



CERTIFICATE OF ANALYSIS

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

Number. 2317548

Catalogue Number	12490
Lot Number	A0472097

Description Magnesium sulfate heptahydrate,99+%,extra pure

CAS Number 10034-99-8
Quality Test/Release Date 09/May/2025
Suggested retest date 09/May/2030
Country of Origin GERMANY
Declaration of Origin Mineral

Result Name	Units	Specifications	Test Value
Appearance (Color)		White	White
Appearance (Form)		Crystalline powder or crystals	Crystalline powder
Titration Complexometric	%	>=99.0 (on dry substance)	100.3 (on dry substance)
Loss on drying	%	48.0 to 52.0 (450°C)	50.5 (450°C)
pH		5.0 to 9.2 (5 % at 20°C)	7.8 (5 % at 20°C)
Heavy metals (as Pb)	ppm	=<10	=<5
Chloride (CI)	ppm	=<200	90

Geert Torfs Supervisor, QC

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.