

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	M68
Lot Number	253622
Description	MAGNESIUM OXIDE, HEAVY, USP/FCC
CAS Number	1309-48-4
Quality Test/Release Date	13/Aug/2025
Suggested retest date	08/Nov/2028
Country of Origin	Israel
Declaration of Origin	Inorganic-non animal

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White powder
FCC Grade - ACID INSOLUBLE SUBSTANCES	%	<= 0.1	<0.1
FCC Grade - ARSENIC	MG/KG	<= 3	<3
FCC Grade - ASSAY	%	Inclusive Between 96.0 - 100.5	97.2
FCC Grade - CALCIUM OXIDE	%	<= 1.5	0.04
FCC Grade - FREE ALKALIS & SOLUBLE SALTS	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - LEAD (Pb)	MG/KG	<= 4	<4
FCC Grade - LOSS ON IGNITION	%	<= 10.0	0.2
USP Grade - ACID INSOLUBLE SUBSTANCES	%	<= 0.1	<0.1
USP Grade - ASSAY	%	Inclusive Between 96.0 - 100.5	99.6
USP Grade - BULK DENSITY	G/ML	= REPORT	0.43
USP Grade - CALCIUM	%	<= 1.1	0.1
USP Grade - FREE ALKALI & SOLUBLE SALTS	%	<= 2.0	<2
USP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - IRON	%	<= 0.05	<0.05
USP Grade - LOSS ON IGNITION	%	<= 10.0	0.2
USP Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST



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.