

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	C69
Lot Number	260129
Description	CALCIUM CHLORIDE, DIHYDRATE, USP/FCC/EP
CAS Number	10035-04-8
Quality Test/Release Date	09/Apr/2026
Suggested retest date	31/Oct/2030
Country of Origin	Germany
Declaration of Origin	Inorganic
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	White odorless hygroscopic crystalline powder
EP Grade - ACIDITY OR ALKALINTY	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - ALUMINUM	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - APPEARANCE OF SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - ASSAY	%	Inclusive Between 97.0 - 103.0	100.4%
EP Grade - EPSOLUBILITY	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - IRON	ppm	<= 10	<10
EP Grade - MAGNESIUM & ALKALI METALS	%	<= 0.5	0.4
EP Grade - RESIDUAL SOLVENTS	CONFORMS	= CONFORMS	CONFORMS
EP Grade - SULFATES	ppm	<= 300	<300
FCC Grade - ARSENIC	MG/KG	<= 3	<3
FCC Grade - ASSAY	%	Inclusive Between 99.0 - 107.0	100.4%
FCC Grade - FLUORIDES	%	<= 0.004	0.001%
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - LEAD (Pb)	MG/KG	<= 5	<5.0
FCC Grade - MAGNESIUM & ALKALI SALTS	%	<= 4.0	0.4%
USP Grade - ASSAY	%	Inclusive Between 99.0 - 107.0	100.4
USP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - IRON, ALUMINUM & PHOSPHATE	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - MAGNESIUM AND ALKALI SALTS	%	<= 1.0	0.4%
USP Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - pH OF A 5% SOLUTION		Inclusive Between 4.5 - 9.2	6.5



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

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its intended use.

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