

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	P333
Lot Number	251996
Description	POTASSIUM CHLORIDE USP/FCC/EP/BP
CAS Number	7447-40-7
Quality Test/Release Date	23/Jun/2025
Suggested retest date	31/Dec/2029
Country of Origin	United States
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 granular powder or colorless crystals
British Pharmacopeia Grade - ACIDITY OR ALKALINITY	PASS/FAIL	= PASS TEST	PASS TEST
British Pharmacopeia Grade - APPEARANCE OF SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
British Pharmacopeia Grade - ASSAY	%	Inclusive Between 99.0 - 101.0	99.6
British Pharmacopeia Grade - BROMIDES	%	<= 0.1	<0.1
British Pharmacopeia Grade - ENDOTOXINS	EU/g		<0.0005
British Pharmacopeia Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
British Pharmacopeia Grade - IODIDE	PASS/FAIL	= PASS TEST	PASS TEST
British Pharmacopeia Grade - IRON	ppm	<= 20	<20
British Pharmacopeia Grade - LOSS ON DRYING PER BP	%	<= 1.0	<0.1
British Pharmacopeia Grade - MAGNESIUM & ALKALI EARTHS	ppm	<= 200	<200
British Pharmacopeia Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
British Pharmacopeia Grade - SULFATES	ppm	<= 300	<300
EP Grade - ACIDITY OR ALKALINITY	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - APPEARANCE OF SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - ASSAY	%	Inclusive Between 99.0 - 101.0	99.6
EP Grade - BACTERIAL ENDOTOXINS	EU/g		<0.0005
EP Grade - BROMIDE	%	<= 0.1	<0.1
EP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - IODIDES	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - IRON	ppm	<= 20	<20
EP Grade - LOSS ON DRYING PER EP	%	<= 1.0	<0.1
EP Grade - MAGNESIUM & ALKALI METALS	ppm	<= 200	<200
EP Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
EP Grade - SULFATES	ppm	<= 300	<300
FCC Grade - ACIDITY - ALKALINITY	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - ASSAY	%	>= 99.0	99.6
FCC Grade - BROMIDE AND IODIDE	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - HEAVY METALS (as Pb)	MG/KG	<= 5	<5
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST

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.

FCC Grade - LOSS ON DRYING PER FCC	%	<= 1.0	<0.1
FCC Grade - SODIUM	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - ACIDITY OR ALKALINITY	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - ASSAY	%	Inclusive Between 99.0 - 100.5	99.6
USP Grade - CALCIUM AND MAGNESIUM	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - ENDOTOXINS	EU/g		<0.0005
USP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - IODIDES	%	<= 0.005	<0.005
USP Grade - LIMIT OF BROMIDES	%	<= 0.1	<0.1
USP Grade - LOSS ON DRYING PER USP	%	<= 1.0	<0.1
USP Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - SODIUM (NA)	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.