

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	P258
Lot Number	254448
Description	POTASSIUM HYDROXIDE NF/FCC/BP/EP/JP
CAS Number	1310-58-3
Quality Test/Release Date	31/Mar/2026
Suggested retest date	31/Aug/2029
Country of Origin	India
Declaration of Origin	Inorganic-non animal
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 to off-white pellets
FCC Grade - ASSAY	%	Inclusive Between 85.0 - 100.5	86.9
FCC Grade - CARBONATE (AS K ₂ CO ₃)	%	<= 3.5	0.9
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - INSOLUBLE SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - LEAD (Pb)	MG/KG	<= 2	<2
FCC Grade - MERCURY (Hg)	MG/KG	<= 0.1	<0.1
Japanese Pharmacopeia Grade - ASSAY	%	>= 85.0	86.9
Japanese Pharmacopeia Grade - CARBONATE	%	<= 2.0	0.9
Japanese Pharmacopeia Grade - CHLORIDE	%	<= 0.050	<0.050
Japanese Pharmacopeia Grade - CLARITY & COLOR OF SOLUTION	CLEAR AND COLORLESS	= CLEAR AND COLORLESS	CLEAR AND COLORLESS
Japanese Pharmacopeia Grade - HEAVY METALS	ppm	<= 30	<30
Japanese Pharmacopeia Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
Japanese Pharmacopeia Grade - SODIUM	PASS/FAIL	= PASS TEST	PASS TEST
N/A - APPEARANCE OF SOLUTION (EP/BP)	CLEAR AND COLORLESS	= CLEAR AND COLORLESS	CLEAR AND COLORLESS
N/A - ASSAY (TOTAL ALKALI AS KOH)	%	Inclusive Between 85.0 - 100.5	85.6
N/A - CARBONATES (EP/BP)	%	<= 2.0	0.3
N/A - CHLORIDES (EP/BP)	ppm	<= 200	<200
N/A - IDENTIFICATION (ALL LISTED) (EP/BP)	PASS/FAIL	= PASS TEST	PASS TEST
N/A - IRON (EP/BP)	ppm	<= 10	<10
N/A - PHOSPHATES (EP/BP)	ppm	<= 100	<100
N/A - RESIDUAL SOLVENTS (EP/BP)	PASS/FAIL	= PASS TEST	PASS TEST
N/A - SODIUM (EP/BP)	%	<= 1.0	0.4
N/A - SULFATES (EP/BP)	ppm	<= 200	<200
NF Grade - ASSAY	%	>= 85.0	86.9
NF Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
NF Grade - INSOLUBLE SUBSTANCES	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.

NF Grade - POTASSIUM	%	≥ 59.9	60.7
NF Grade - POTASSIUM CARBONATE	%	≤ 3.5	0.9
NF Grade - RESIDUAL SOLVENTS	Meets Requirements	= MEETS REQUIREMENTS	MEETS REQUIREMENTS
NF Grade - SODIUM	%	≤ 1.0	0.5



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 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.