

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	S392
Lot Number	253413
Description	SODIUM HYDROXIDE NF/FCC/EP/BP/JP
CAS Number	1310-73-2
Quality Test/Release Date	17/Jul/2025
Suggested retest date	31/Jan/2029
Country of Origin	India
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 pellets
FCC Grade - ARSENIC	MG/KG	<= 3	<3
FCC Grade - ASSAY	%	Inclusive Between 95.0 - 100.5	98.5
FCC Grade - CARBONATE AS NA2CO3	%	<= 3.0	1.4
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	IN PASS TEST	PASS TEST
FCC Grade - INSOLUBLE SUBSTANCES & ORGANIC MATTER	PASS/FAIL	IN PASS TEST	PASS TEST
FCC Grade - LEAD (Pb)	MG/KG	<= 2	<2
FCC Grade - MERCURY (Hg)	MG/KG	<= 0.1	<0.014
Japanese Pharmacopeia Grade - ASSAY	%	>= 95.0	98.5
Japanese Pharmacopeia Grade - CHLORIDE	%	<= 0.050	<0.05
Japanese Pharmacopeia Grade - CLARITY & COLOR OF SOLUTION	CLEAR_COLORLESS	IN CLEAR AND COLORLESS	CLEAR AND COLORLESS
Japanese Pharmacopeia Grade - HEAVY METALS	ppm	<= 30	<30
Japanese Pharmacopeia Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	IN PASS TEST	PASS TEST
Japanese Pharmacopeia Grade - MERCURY	PASS/FAIL	IN PASS TEST	PASS TEST
Japanese Pharmacopeia Grade - POTASSIUM	PASS/FAIL	IN PASS TEST	PASS TEST
Japanese Pharmacopeia Grade - SODIUM CARBONATE	%	<= 2.0	1.4
N/A - APPEARANCE OF SOLUTION (EP/BP)	PASS/FAIL	IN PASS TEST	PASS TEST
N/A - ASSAY (EP/BP)	%	Inclusive Between 97.0 - 100.5	98.5
N/A - BACTERIAL ENDOTOXINS (EP/BP)	EU/Mg		<0.4
N/A - CARBONATES (EP/BP)	%	<= 2.0	1.4
N/A - CHLORIDES (EP/BP)	ppm	<= 200	<200
N/A - IDENTIFICATION (ALL LISTED) (EP/BP)	PASS/FAIL	IN PASS TEST	PASS TEST
N/A - IRON (EP/BP)	ppm	<= 10	<10
N/A - RESIDUAL SOLVENTS (EP/BP)	CONFIRMATION	IN CONFIRM	CONFIRM
N/A - SULFATES (EP/BP)	ppm	<= 200	<200
NF Grade - ASSAY	%	Inclusive Between 95.0 - 100.5	98.5
NF Grade - ENDOTOXINS	EU/Mg	= Report	<0.4
NF Grade - IDENTIFICATION A SODIUM	PASS/FAIL	IN PASS TEST	PASS TEST
NF Grade - IDENTIFICATION B	PASS/FAIL	IN PASS TEST	PASS TEST
NF Grade - INSOLUBLE SUBSTANCES & ORGANIC MATTER	PASS/FAIL	IN PASS TEST	PASS TEST
NF Grade - POTASSIUM	%	<= 0.5	<0.5

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.

	Meets Requirements	IN MEETS REQUIREMENTS	MEETS REQUIREMENTS
NF Grade - RESIDUAL SOLVENTS			
NF Grade - SODIUM	%	Inclusive Between 54.0 - 59.8	55.0
NF Grade - SODIUM CARBONATE	%	<= 3.0	1.4

Additional Information This chemical does not contain, nor is it manufactured with, any known allergens or genetically modified organisms (GMO), and it is also free of melamine contamination.



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.

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