

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	S472
Lot Number	253753
Description	SODIUM PHOSPHATE, DIBASIC, DIHYDRATE, USP/FCC/EP/BP
CAS Number	10028-24-7
Quality Test/Release Date	04/Nov/2025
Suggested retest date	30/Sep/2027
Country of Origin	United States
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 Powder or crystals
FCC Grade - ARSENIC	MG/KG	<= 3	<3
FCC Grade - ASSAY	%	>= 98.0	99.6
FCC Grade - FLUORIDES	%	<= 0.005	<0.005
FCC Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
FCC Grade - INSOLUBLE SUBSTANCES	%	<= 0.2	<0.2
FCC Grade - LEAD (Pb)	MG/KG	<= 4	<4
FCC Grade - LOSS ON DRYING PER FCC	%	Inclusive Between 18.0 - 22.0	20.4
FCC Grade - PYROPHOSPHATE	%	<= 2	<2
N/A - APPEARANCE OF SOLUTION (EP/BP)	CLEAR AND COLORLESS	= CLEAR AND COLORLESS	CLEAR AND COLORLESS
N/A - ASSAY (EP/BP)	%	Inclusive Between 98.0 - 101.0	99.7
N/A - BACTERIAL ENDOTOXINS (EP/BP)	EU/g		<1.0
N/A - CHLORIDES (EP/BP)	ppm	<= 400	<400
N/A - IDENTIFICATION (ALL LISTED) (EP/BP)	PASS/FAIL	= PASS TEST	PASS TEST
N/A - IRON (EP/BP)	ppm	<= 40	<40
N/A - LOSS ON DRYING PER EP/BP	%	Inclusive Between 19.5 - 21.0	20.4
N/A - MONOSODIUM PHOSPHATE	%	<= 2.5	<2.5
N/A - REDUCING SUBSTANCES (EP/BP)	PASS/FAIL	= PASS TEST	PASS TEST
N/A - RESIDUAL SOLVENTS (EP/BP)	PASS/FAIL	= PASS TEST	PASS TEST
N/A - SULFATES (EP/BP)	%	<= 0.1	<0.1
USP Grade - ARSENIC	ppm	<= 16	<16
USP Grade - ASSAY	%	Inclusive Between 98.0 - 100.5	99.6
USP Grade - CHLORIDE	%	<= 0.06	<0.06
USP Grade - ENDOTOXINS	EU/g		<1.0
USP Grade - IDENTIFICATION (ALL LISTED)	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - INSOLUBLE SUBSTANCES	%	<= 0.4	<0.4
USP Grade - LOSS ON DRYING PER USP	%	Inclusive Between 18.5 - 21.5	20.4
USP Grade - RESIDUAL SOLVENTS	PASS/FAIL	= PASS TEST	PASS TEST
USP Grade - SULFATE (SO4)	%	<= 0.2	<0.2

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.



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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