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CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Sodium Metasilicate Pentahydrate, >=95.&

CAS 10213-79-3 · ≥98% Technical

1. PRODUCT IDENTITY

Product name	Sodium Metasilicate Pentahydrate, >=95.&
C.A.S. number	10213-79-3
Grade / standard	≥98% Technical
Description	White crystalline granules
Product group	Sodium Compounds
Category	Inorganic Salts & Compounds
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	White crystalline granules	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 98.0 % w/w	98.39	Titrimetry / Instrumental
5	Matter Insoluble in Water	Not more than 0.05 % w/w	0.023	Gravimetry
6	pH (5 % w/v aqueous solution)	As per specification	7.0	Potentiometry
7	Chloride (as Cl)	Not more than 0.01 % w/w	0.0026	Turbidimetry / IC

8	Sulphate (as SO4)	Not more than 0.02 % w/w	0.0056	Turbidimetry / IC
9	Iron (as Fe)	Not more than 20 ppm	2.4 ppm	ICP-OES / AAS
10	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
11	Moisture	Not more than 1.0 % w/w	0.30	Karl Fischer / Gravimetry

3. DECLARATION

This document sets out the standard specification for Sodium Metasilicate Pentahydrate, >=95.& and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.