Sodium Selenite

Na_2SeO_3 · CAS 10102-18-8 · Sodium selenite, powder

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Sodium selenite, powder	Na_2SeO_3	10102-18-8	98.0–101.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Iodometric titration and HPLC	1 kg	1–7 days	1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (titration)	98.0–101.0%	Specification
Selenium (titration)	44.0–46.0%	Specification
Appearance	White to off-white powder	Specification
Identification	IR and titration conform	Specification
Loss on drying	≤2.0%	Specification
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	Specification
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Marker set	Sodium selenite 98.0–101.0%; Se 44.0–46.0%	Identity / ratio
Appearance	White to off-white, free-flowing powder	Visual
Solubility	Freely soluble in water; the solution is neutral to slightly alkaline.	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

- Capsules and tablets
- Powder blends

AVAILABLE FORMS

- Powder
- Granulated on request

WHAT TO CONFIRM BEFORE ORDERING

- Name the form: sodium selenite is inorganic selenite, not selenomethionine or selenium yeast.
- Ask for the selenium figure and the oxidation state; the salt name does not state the dose.
- Selenite is hygroscopic and reacts with reducing agents; the pack and the storage condition belong in the specification.
- Do not use the page as a label or a claim: the finished product's status is a separate legal question.

Indicative document. This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The form, hydrate state, ligand ratio and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Form, hydrate state, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, dosage form and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

No claim is made here. This sheet does not claim a therapeutic effect, a product certification or a regulatory approval. Health claims belong to the brand that makes them and to the market that authorises them.

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