Zinc Sulfate Monohydrate

$ZnSO_4 \cdot H_2O$ · CAS 7446-19-7 · Zinc sulfate monohydrate, powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Zinc sulfate monohydrate, powder	$ZnSO_4 \cdot H_2O$	7446-19-7	35.0–38.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
Complexometric zinc and sulfate titration	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Zinc sulfate monohydrate specified at 35.0–38.0% zinc by titration; the monohydrate and the heptahydrate are different products with different water and zinc content.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Zinc (complexometric)	35.0–38.0%	As stated
Appearance	White to off-white powder	As stated
Identification	Zinc and sulfate conform	As stated
Loss on drying	≤1.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Zinc 35.0–38.0% (complexometric)	Identity
Solubility	Freely soluble in water; the solution is acidic.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder blends

AVAILABLE FORMS

- Powder, 80 mesh
- Granulated on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.