

Zinc Oxide USP

Specification Sheet

Description: Produced from naturally occurring zinc ore, super pure (free from other metals). Particle size 200-1000 nanometer (nm) or 0.2-1 micrometer (μm). White powder, odorless. Insoluble but dispersible in water and oils.

CAS: 1314-13-2

INCI Name: Zinc oxide

Composition: Zinc oxide

Purity Grade: USP Grade

Appearance: White powder, odorless

Benefits:

- USP grade
- Reflects sunlight (UVB rays)
- Has soothing effects and can be used for skin irritations
- Whitening effect on skin therefore also used as coverage for makeup products

Use: Can be added to formulas as is, recommended concentration 5-25%. Maximum allowed: USA 25%, Japan no limit. Can be combined with other sun screens & pigments. For external use only.

Applications: Sun care & after-sun products, protective & soothing skin care products, diaper creams, mineral makeup.

Solubility: Insoluble but dispersible in water and oils

Preservation: Preservative-free

Storage: Store light-protected at a cool and dry place

Country of Origin: USA

Raw material source: Metallic zinc

Manufacture: Zinc oxide is produced from metallic zinc which is melted in a graphite crucible and vaporized at high temperatures (around 1000°C). Zinc vapor reacts then with the oxygen in the air to give zinc oxide.

Animal Testing: Not animal tested

GMO: GMO free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components

HS Code: 2817000000

Regulatory Information: Sunscreens are registered as API (Active Pharmaceutical Ingredient) or OTC-drug with the FDA. This means that, if you want to sell products containing a sunscreen, your facility must be registered with the FDA and operate under cGMP guidelines.

Note: International shipping is prohibited.