

Zinc oxide, Pharmpur®, Ph Eur, BP, USP

Identification

ZnO
M = 81,37 g/mol
CAS [1314-13-2]
EC number: 215-222-5
Taric code: 2817 00 00

Applications

analytical chemistry, laboratory reagent, reference material, in the pharmaceuticals industry, in food industry, cosmetics, in pharma industry.

Specifications

assay (complexometric, on ignited sample).....	99,0 - 100,5 %	carbonate and colour of solution.....	passes test
assay (chromatography, on ignited substance)..	98,0 - 102,0 %	arsenic (As).....	max. 5 ppm
Identification A (EP/USP).....	passes test	cadmium (Cd).....	max. 10 ppm
Identification B (USP).....	passes test	iron (Fe).....	max. 200 ppm
Identification zinc.....	passes test	iron and other heavy metals.....	passes test
alkalinity.....	passes test	lead (Pb).....	max. 50 ppm
insoluble in acids and carbonates.....	passes test	lead (Pb).....	passes test
		residue on ignition (500 °C).....	max. 1,0 %

Physical data

- Appearance: lumpy powder, white, up to 1 µm
- Spec. Density: 5,47 g/cm³
- Bulk density: ~ 300 - 500 kg/m³
- Solub. in water: (20 °C): insoluble
- Melting point: ~ 1970 °C
- pH(50 g/l H₂O, 20 °C) ~ 7

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P273: Avoid release to the environment.
P391: Collect spillage.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc oxide)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc oxide)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc oxide)
- PAX: 911
- CAO: 911
- 10°C - 30°C