



ZINC INDUSTRIAS NACIONALES S.A.

ZINC OXIDE GOLDEN SEAL 99.9% TECHNICAL SPECIFICATIONS

Description	Fine white powder
Formula	ZnO
CAS No.	1314-13-2
EINECS	215-222-5

Chemical Properties (Typical):

Element	% Min	% Max	Method Reference
ZnO	99.9		USP 40
Total impurities		0.01	ASTM D4075
Lead - Pb		0.002	ASTM D4075
Cadmium - Cd		0.001	ASTM D4075
Iron - Fe		0.0005	ASTM D4075
Copper - Cu		0.0002	ASTM D4075
Chlorine - Cl		0.0005	ASTM D4075
Sulfur - S		0.001	ASTM D3280
Manganese - Mn		0.0001	ASTM D4075
Arsenic - As		0.0001	USP 40
Nickel - Ni		0.0001	ASTM D4075
Mercury - Hg		0.0001	ASTM D4075

Physical Properties (Typical):

Description	% Min	% Max	Method Reference
325 mesh (45um)	99.9		ASTM D4315
Loss on ignition (500 ° C)		0.4	USP 40
Water soluble elements (%)		0.2	ASTM D3280
Insolubility in HCl (%)		0.001	ASTM D3280
Specific weight (g / cm ³)	5.5	5.7	ASTM D854
Humidity at 110 ° C		0.2	ASTM D280
Surface area (m ² /g)	4	9	ASTM D4315
Average particle size (µm)		0.8	Laser-Diffraction
pH 10%	6.8	7.4	ASTM D4972

USP / BP	Specification
Specific gravity (g / cc)	5.6
Identification A	Test Ok
Identification B	Test Ok
Alkalinity	Test Ok
CO ₃	Not present
Solution Color	Colorless



Applications: Chemical or raw material for: Pharmaceuticals, cosmetics, antiseptics, soaps, Ointments, animal feed, chemicals derived from zinc, matches, paints, Pigments, ceramics, adhesives, plastics, additives for rubber, tires, among others.

Packaging: 25 kg polypropylene or paper bags. in pallets of 1,000 Kg.
Jumbo polypropylene bags of 500 Kg., 1,000 Kg. And 1,250 Kg.

Storage: Store in the original packaging, tightly closed and dry, in a cool, well-ventilated place.
Away from sunlight, heat and incompatible materials such as acids and bases.