



PRODUCT CODE: 631786

Zinc Oxide (Ph. Eur., BP, USP) GMP - IPEC grade

OZn
ZnO

M.= 81,39 CAS [1314-13-2] EINECS 215-222-5
TARIC 2817 00 00 00

PHYSICAL DATA: powder, White to yellowish, Insoluble in water D 5,61 • M.P.: 1.970 °C • pH(50 g/l)7 •

BIBLIOGRAPHY: Merck Index **12**, 10.279 13, 10.200 Sax **ZKA000** • Safety **2 , 3631 C** • Römp **8 , 4711** • ACS **XI** •
BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Royal Decree I1389 •

HAZARDOUS: RTECS: ZH 4810000 • LD L0 oral hmn 500 mg/kg • LD50 oral mus 7.950 mg/kg • LC50 mus 2500mg/m3 • VLA-ED 10 mg/m3



H: H410 •
P: P273 • P391 • P501 •

TRANSPORT REGULATIONS: UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •

SPECIFICATIONS:

Assay (Compl.) calc. a.i.s.	99,0 - 100,5 %
Assay (Acidim.) a.i.s.	99,0 - 100,5 %
Identity :	
Identity according to Pharmacopoeias:	
Identity (A Ph. Eur / USP)	passes test
Identity Zinc	passes test

Maximum limit of impurities

Alkalinity (< 0.30 ml HCl 0.1M)	passes test
Loss on ignition 500 °C	1 %
Carbonate and insoluble substances in acids Ph. Eur.	passes test
Carbonate < formazin II	passes test
Carbonate colorless	passes test
Carbonate and solution color USP	passes test

Residual solvents (Ph.Eur/USP)	passes test
Iron and other heavy metals	passes test

As	0,00015 %
Cd	0,0005 %
Fe	0,0200%
Pb	0,001%

Elemental impurities (ICH Q3D):

Class 1

Cd	5 ppm
Pb	10 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	8 ppm
Au	10 ppm
Pd	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm