

**TECHNICAL DATA SHEET**

Effective date: 04.2019

Zinc oxide

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Zinc oxide
Manufacturing process	High purity pharmaceutical material manufactured from zinc metal by the Indirect Process (French Process) according to the EU-GMP Guideline Part II (ICH Q7A). It complies with the valid European Pharmacopoeia.

TECHNICAL DATA**Physical parameters**

Appearance	Powder
Color	White
Odor	Odorless

Chemical parameters*

ZnO	Min. 99.9 %
Pb	Max. 20 ppm
Cu	Max. 0.5 ppm
Cd	Max. 5 ppm
Fe	Max. 5 ppm
Mn	Max. 0.5 ppm
As	Max. 5 ppm
S	Max.10 ppm
Cl	Max. 10 ppm
Alkalinity	Max. 0.3 ml/g
Carbonate	0
Sieve residue (42 μ)	Max. 0.05 %
Volatile matter 105°C	Max. 0.2 %
Spec. surface area (BET)	4.0 ± 1.0 m ² /g
Loss on ignition 500°C	Max. 1 %
Loss on ignition 850°C	Max. 1 %

*determined according to DIN 55908 and PhEu

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TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Properly closed, protected against humidity, heat and impurities.
Shelf Life	5 years under good storage conditions
Custom tariff	28170000

LEGISLATION

EINECS	215-222-5
CAS	1314-13-2
REACH pre-registration no.	01-2119463881-32-0043

LABELING

Hazard pictograms	
Hazard categories	Signal word: warning Acutely dangerous for waters - category 1 Chronically dangerous for waters - category 1
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. P501 - Dispose of contents/container in accordance with local/ regional/ national/ international regulation.
European Union specific hazard statements	None

DISCLAIMER

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