

## 46300 Zinc Oxide

Chemical structure: ZnO  
CAS No.: 1314-13-2  
EINECS No.: 215-222-5  
Appearance: Typically white free flowing powder.

### Chem. / Physical Properties

ZnO	99.8 % min.
Copper	1 mg/kg max.
Manganese	1 mg/kg max.
Iron (Fe)	2 mg/kg max.
Lead (Pb)	15 mg/kg max.
Cadmium	10 mg/kg max.
Arsenic	5 mg/kg
Ignition loss (105°C)	0.25 % max.
BET-Surface 5.5 mg <sup>2</sup> /g	min. - 6.5 max.
Sieve Residue (0,045 mm)	0.02 % max.

### Eluate testing according to ASTM-D 5517 – 01/2009

Digestion Method:  
EPA 3050 (Performed on samples in the form in which they were received)

Analysis Method:  
EPA 7421 (Graphite Furnace AA)

Total Lead (µg/g): 11

Preparation Method:  
ASTM D5517-03 (0.1 grams of sample per 100 ml 0.07 N HCl)

Analysis Method:  
EPA 200.8 (ICP-MS)

Soluble Zinc (µg/g): 740,740 (74.1%)