

## **Technical Data Sheet**

**Product: Zinc Oxide (ZnO) Gold Seal**  
Product Code: NGLD 1015

### **Chemical Specifications:**

	<u>Value</u>	
ZnO	99.9	% min
Pb	0.0020	% max
Cd	0.0010	% max
Fe	0.0005	% max
Cu	0.0003	% max
As	0.0001	% max
Mn	0.0001	% max
S	0.0020	% max
Cl	0.0010	% max

### **Physical Properties:**

Appearance:	Very fine white powder	
Surface Area:	4.0 – 6.5	m <sup>2</sup> /g
Bulk Density:	800 – 1100	kg/m <sup>3</sup>
Residue on sieve 325 Mesh:	0.1	% max
Mean Particle Size:	0.8	µm max
Moisture @ 130°C:	0.3	% max
Water soluble elements:	0.2	% max
Volatile materials:	0.4	% max
Acid acetic insolubility	0.001	% max
HCl Insolubility:	0.1	% max
Specific gravity:	5.6	g/cc
Loss on ignition:	1.0	% max
pH:	6.8 - 7.4	

Quality complies with the requirements of European (EP) and American Pharmacopeia (USP).

### **Packaging**

25 kg. UN paper bags or 1000 kg UN big bags.  
Special packaging is available on request.

### **General Information**

CAS No. 1314-13-12  
UN No. 3077  
Transport IMDG Class 9

### **Safety and Storage Conditions**

Store under clean, dry conditions in original packaging or other sealed containers. Store tightly closed in a ventilated area. Keep in a cool and dry place, away from incompatible materials (strong acids and bases).

Ref: TDS ZnO-NGLD 1015, Version 005, Date: Jan. 2014

