



**Bimal Pharma Pvt. Ltd., Mumbai, India**  
(ISO 9001 : 2015 & AEO T1 Certified Co.)

BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : ZINC OXIDE, FCC XII (Food Grade)
MSDS No.: BPPL 217 (Available on Request)	SPECIFICATION No.: FP-217 (Enclosed)

1. **NOMENCLATURE** : Zinc Oxide  
: Zinc White  
: C.I. 77947  
: C.I. Pigment White 4
2. **CAS No.** : 1314-13-2
3. **HSN CODE** : 28170010
4. **EMPIRICAL FORMULA** : ZnO
5. **MOL. WT.** : 81.39
6. **MELTING POINT** : 1975°C
7. **STRUCTURAL FORMULA** :  $O=Zn$
8. **DESCRIPTION** : A Soft, White or faintly Yellowish White  
Amorphous Powder, Free from Grittiness.  
: It gradually absorbs Carbon Dioxide from Air.
9. **APPLICATION IN** : As Dietary Supplement / Fortification  
e.g. Dairy Products ; Meat Products &  
Confectionary Products.
10. **SHELF LIFE** : 5 Years

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1. **DESCRIPTION** : A Soft, White Amorphous Powder,  
Free from Grittiness.  
: It gradually absorbs Carbon Dioxide from Air.
2. **SOLUBILITY** : Insoluble in Water and in Ethanol (96%),  
Soluble in Dilute Acids & strong bases.
3. **IDENTIFICATION** : A) It becomes Yellow when strongly heated &  
The Yellow color disappears on cooling.  
B) Sol. Gives the reaction of Zinc.
4. **ALKALINITY** : NMT 0.3 ml of 0.1 M HCL requires to Change  
the Color of indicator
5. **CARBONATE AND  
SUBSTANCES INSOLUBLE  
IN ACID** : Should be pass the Prescribed Test
6. **ASSAY (on Ignited basis)** : 99.0% to 100.5%
7. **IRON** : 200 ppm Max.
8. **MERCURY** : 0.1 ppm Max.
9. **CADMIUM** : 3.0 ppm Max.
10. **ARSENIC** : 3.0 ppm Max.
11. **LEAD** : 10.0 ppm Max.

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- 12. LOSS ON IGNITION** : NMT 1.0%  
(at 800 +/- 25°C Temp.)
- 13. SUBSTANCES NOT PRECIPITATED BY SULFIDE** : NMT 0.5 %
- 14. CONTENT OF ZINC** : 79.0% Min.
- 15. SIEVE TEST** : 98% Min. Passes through 200 Micron
- 16. MICROBIAL CONTAMINATION**
- Total Aerobic Microbial Count** : NMT 10 cfu/gms  
**Yeasts and Molds** : NMT 10 cfu/gms  
**Salmonella & E.Coli** : Absent
- 17. STORAGE** : It can be stored at Room Temp. below 28°C.  
: Store in the Original packing, tightly closed and Dry in a Cool, well-ventilated place.  
Away from Sunlight, heat and incompatible materials such as Acids and bases.
- 18. PACKING** : 25 kgs. Fibre Drum with PE Liner inside.  
: 25 kgs. Paper / HDPE Bag.