



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

ISO 9001 : 2015



Cert. No.: 110661/A/0001/UK/En

BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : ZINC OXIDE, IP / BP / EP / USP / JP
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** : **Manufacturing of** Tablets, Ointments And Creams.
: **In Food Processing**
(As Dietary Supplement / Fortification)
e.g. Dairy Products ; Meat Products & Confectionary Products.
: **Cosmetics** : For high Quality Eye and Face make-ups, Lip sticks & Sunscreen.

BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATION
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1. **DESCRIPTION** : A Soft, White Amorphous Powder,
Free from Grittiness, It gradually absorbs
Carbon Dioxide from Air.
2. **SOLUBILITY** : Zinc Oxide practically insoluble in water and in
ethanol (96 %), But it dissolved in dilute
mineral acids
: Dissolve 0.1 gm of sample dilute 100 ml
Water and 100 ml of ethanol.
3. **IDENTIFICATION** : A) Zinc Oxide becomes yellow when strongly
Heated; the yellow colour disappear on
Cooling.
B) A white precipitate produced, that is
insoluble in dilute Hydrochloric Acid
4. **ACIDITY OR ALKALINITY** : If the filtrate is red, not more than 0.3ml of 0.1 M
HCL is required to discharge the Colour
5. **pH** : 6.8 to 7.4
6. **LEAD** : NMT 10 ppm
7. **ARSENIC** : NMT 4 ppm
9. **MERCURY** : NMT 1 ppm

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|--|---|--|
| 10. CADMIUM | : | NMT 5 ppm |
| 11. THALLIUM | : | NMT 5 ppm |
| 12. IRON | : | NMT 200 ppm |
| 14. LOSS ON IGNITION
(500°C) | : | NMT 1.0% |
| 17. ASSAY | : | 99.0 % to 100.5% On Ignited basis |
| 18. RETENTION OF MATERIAL :
ON 350/400 MESH | : | 0.5% Max. |
| 23. 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. |
| 24. PACKING | : | 25 kgs. Fibre Drum with PE Liner inside.

: 25 kgs. Paper / HDPE Bags |