



## Zinc Oxide BP/USP

### APPEARANCE

White Powder

### SPECIFICATION

|                           |                 |
|---------------------------|-----------------|
| ZnO                       | 99.90 % minimum |
| Total Impurities          | 0.20 % maximum  |
| Pb (total, including PbO) | 0.0020% maximum |
| Cu                        | 0.0002% maximum |
| Cd                        | 0.0005% maximum |
| Fe                        | 0.0005% maximum |
| Cl                        | 0.0005% maximum |
| S                         | 0.0080% maximum |
| Mn                        | 0.0001% maximum |
| Al                        | 0.0001% maximum |
| Mg                        | 0.0001% maximum |
| Ti                        | 0.0001% maximum |
| Sn                        | 0.0001% maximum |
| Ni                        | 0.0001% maximum |
| Co                        | 0.0001% maximum |
| Bi                        | 0.0001% maximum |
| In                        | 0.0001% maximum |
| Mo                        | 0.0001% maximum |
| Sb                        | 0.0001% maximum |
| As                        | 0.0001% maximum |
| Hg                        | 0.0001% maximum |

### TYPICAL PROPERTIES

|                           |                               |
|---------------------------|-------------------------------|
| 325 mesh residue          | 0.1 % maximum                 |
| pH (10% aqueous solution) | 7.3                           |
| Volatile material         | 0.30 % maximum                |
| Loss on ignition          | 0.30 % maximum                |
| Water soluble material    | 0.10 % maximum                |
| HCl insoluble material    | 0.10 % maximum                |
| Moisture                  | 0.20 % maximum                |
| Surface area (BET)        | 4.70 – 6.00 m <sup>2</sup> /g |
| Average particle size     | 0.30 – 0.40 microns           |

The data given on this sheet is based on test results believed to be representative of the product and should not be interpreted as a binding specification.

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