

## CR-4-USP ZINC OXIDE CAS# 1314-13-2

### Technical Data:

CR-4-USP Zinc Oxide is used in natural and synthetic rubber compounds as part of the cure system activation. It can also enhance heat aging properties of the vulcanized rubber. It is typically added a 3.0 – 5.0 phr level, early in the mixing process except with polychloroprene compounds. The high purity of CR-4-USP allows it to be used in medical and pharmaceutical rubber products.

### Specification:

*Zinc Oxide	99.9% Min.
*Lead	20 ppm Max.
*Cadmium	10 ppm Max.
*Copper	10 ppm Max.
*Arsenic	6 ppm Max.
*Loss at 110°C	0.07% Max.
*Loss on Ignition	0.20% Max.
*Retained 325 mesh U.S. sieve	0.02% Max.
*Surface Area	4.0 – 5.0 m <sup>2</sup> /g
*Iron & other heavy metals	Pass USP tests
*Carbonate	Pass USP tests
*Alkalinity	Pass USP tests
Bulk Density	35.0 – 45.0 lb/ft <sup>3</sup>
Specific Gravity, typical	5.6

\*Actual data will be reported on Certificate of Analysis

**Packaging: 50 lb. bags**  
**Shelf life – 24 months from manufacturing date**

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The technical information and suggestions for use contained herein are believed to be reliable, but they are not to be construed as warranties and no patent liability can be assumed.