

## Specification

# DEPLETED ZINC ACETATE DIHYDRATE SPECIFICATIONS

(Effective Date: January 25, 2008)

Isotopic Composition:  $^{64}\text{Zn}$  content is less than 1%

Chemical form :  $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2 \cdot 2\text{H}_2\text{O}$

Chemical Purity: Chemical purity of zinc >99.8%.

Impurity Limits:

Element	Symbol	Impurity Limits
Aluminum	Al	≤ 50 ppm
Antimony	Sb	≤ 10 ppm
Arsenic	As	≤ 10 ppm
Barium	Ba	≤ 10 ppm
Bismuth	Bi	≤ 10 ppm
Boron	B	≤ 10 ppm
Bromine	Br	≤ 10 ppm
Cadmium	Cd	≤ 10 ppm
Calcium	Ca	≤ 10 ppm
Chlorine	Cl	≤ 20 ppm
Chromium	Cr	≤ 10 ppm
Cobalt	Co	≤ 10 ppm
Copper	Cu	≤ 10 ppm
Fluorine	F	≤ 20 ppm
Hafnium	Hf	≤ 10 ppm
Indium	In	≤ 10 ppm
Iodine	I	≤ 10 ppm
Iron	Fe	≤ 10 ppm
Lead	Pb	≤ 10 ppm
Lithium	Li	≤ 10 ppm
Magnesium	Mg	≤ 10 ppm
Manganese	Mn	≤ 10 ppm
Molybdenum	Mo	≤ 10 ppm
Nickel	Ni	≤ 10 ppm
Phosphorous	P	≤ 10 ppm
Potassium	K	≤ 10 ppm
Selenium	Se	≤ 10 ppm
Silicon	Si	≤ 50 ppm
Silver	Ag	≤ 10 ppm
Sodium	Na	≤ 10 ppm
Strontium	Sr	≤ 10 ppm
Sulphur	S	≤ 10 ppm
Tin	Sn	≤ 10 ppm
Titanium	Ti	≤ 10 ppm
Vanadium	V	≤ 10 ppm
Others (each)		≤ 10 ppm
Insoluble		≤ 100 ppm

## Specification

### DEPLETED ZINC OXIDE SPECIFICATIONS

(Effective Date: January 25, 2008)

**Isotopic Composition:** <sup>64</sup>Zn content is less than 1%

**Chemical Purity:** Minimum chemical purity of zinc oxide will be >99.8%

**Impurity Limits:**

Element	Symbol	Impurity Limits
Aluminum	Al	≤ 50 ppm
Antimony	Sb	≤ 10 ppm
Arsenic	As	≤ 10 ppm
Barium	Ba	≤ 10 ppm
Bismuth	Bi	≤ 10 ppm
Boron	B	≤ 10 ppm
Bromine	Br	≤ 10 ppm
Cadmium	Cd	≤ 10 ppm
Calcium	Ca	≤ 10 ppm
Carbon (total)	C	≤ 100 ppm
Chlorine	Cl	≤ 20 ppm
Chromium	Cr	≤ 10 ppm
Cobalt	Co	≤ 10 ppm
Copper	Cu	≤ 10 ppm
Fluorine	F	≤ 20 ppm
Hafnium	Hf	≤ 10 ppm
Indium	In	≤ 10 ppm
Iodine	I	≤ 10 ppm
Iron	Fe	≤ 10 ppm
Lead	Pb	≤ 10 ppm
Manganese	Mn	≤ 10 ppm
Nickel	Ni	≤ 10 ppm
Phosphorous	P	≤ 10 ppm
Silicon	Si	≤ 50 ppm
Silver	Ag	≤ 10 ppm
Sulphate	SO <sub>4</sub> <sup>2-</sup>	≤ 10 ppm
Sulphur	S	≤ 10 ppm
Tin	Sn	≤ 20 ppm
Titanium	Ti	≤ 10 ppm
Vanadium	V	≤ 10 ppm
Rare Earths (Total)		≤ 20 ppm
Insoluble (HCl)		≤ 100 ppm