

**NAME AND CODE****Zinc Citrate Dihydrate USP Powder**

Code 2954:

**CHEMICAL FORMULA** $Zn_3(C_6H_5O_7)_2 \cdot 2H_2O$  Mol. Wt. 610.36**CAS NUMBER**

546-46-3

**USE**

Nutrient; Dietary supplement; Oral Care Products where low levels of lead (Pb) are required

**DESCRIPTION**

White fine powder

**CHEMICAL SPECIFICATION****TESTS****SPECIFICATIONS**

Assay of dried product (as Zn)	31.3-32.5 %
Arsenic (as As)	3 ppm maximum
Cadmium (Cd)	5 ppm maximum
Lead (as Pb)	5 ppm maximum
LOD @ 105°C	1.0% maximum
Sulfate (as SO <sub>4</sub> )	0.05% maximum
Chloride (as Cl)	0.05% maximum
Identification:	
TEST A (Zinc)	Positive
TEST B (Citrate)	Positive

**Microbial Test Results**

Aerobic Plate Count	1000 cfu / gram maximum
Yeast and Mold Count	100 cfu / gram maximum
Total Coliforms	Negative
E. coli	Absent

**LEAD**

5 ppm maximum

**ZINC CONTENT**

Anhydrous Basis	33.3% minimum
As Is	31.0% minimum

**CONTAINERS**

50 kg / 110 lb. fiber drums; 25 kilogram packs EU only

**STORAGE**

Store in a clean, dry warehouse in the original unopened containers.

**REVISION DATE**

09/17/09