

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

Code 2947

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

DESCRIPTION

White fine powder

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

Assay of dried product (as Zn)	31.3% minimum
Arsenic (As)	1 ppm maximum
Cadmium (Cd)	1 ppm maximum
Lead (as Pb)	5 ppm maximum
Mercury (Hg)	0.1 ppm maximum
LOD @ 105°C	1.0% maximum
Sulfate (as SO ₄)	0.05% maximum
Chloride (as Cl)	0.05% maximum

Identification:

TEST A	Positive
TEST B	Positive

Microbial Test Results

Aerobic Plate Count	1000 cfu / gram maximum
Yeast and Mold Count	100 cfu / gram maximum
Total Coliforms	Negative

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

09/23/09