

**NAME AND CODE****Magnesium Citrate Tribasic Hydrate USP Powder**

Code: 2544

**CHEMICAL FORMULA** $Mg_3(C_6H_5O_7)_2 \cdot xH_2O$ Mol. Wt. 451.13  
(Anhydrous)**CAS NUMBER**

3344-18-1

**USE**

Nutrient; Dietary Supplement; Pharmaceuticals

**DESCRIPTION**

White Powder

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

Assay (as Mg) on dried basis

14.5-16.4%

Heavy Metals (as Pb)

50 ppm maximum

LOD

29% maximum

Identification

Test A

Pass test

Test B

Pass test

pH

5.0-9.0

Chlorides

0.05% maximum

Sulfates

0.2% maximum

Arsenic

3 ppm maximum

Iron

200 ppm maximum

Calcium

1.0% maximum

Organic Volatile Impurities

Conforms to USP requirements

**LEAD**

0.5 ppm maximum

**MAGNESIUM CONTENT**

As-Is

11.2– 12.0 %

**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**

12/28/05