

**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

50 ppm maximum

LOD

29% maximum

Identification

Test A

Pass test

Test B

Pass test

pH

5.0-9.0

Lead

0.5 ppm maximum

Chlorides

0.05% maximum

Sulfates

0.2% maximum

Arsenic

3 ppm maximum

Iron

200 ppm maximum

Calcium

1.0% maximum

Residual Solvents

Conforms to USP requirements

Microbial Test Results

Aerobic Plate Count

1000 cfu / gm maximum

Yeast and Mold Count

100 cfu / gm maximum

Total Coliforms

Negative

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

07/05/11