

**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
Particle Size	98% min. thru 200 mesh
<u>Microbial Test Results</u>	
Aerobic Plate Count	1000 cfu / gm max.
Yeast and Mold Count	100 cfu / gm max.
Total Coliforms	Negative

**MAGNESIUM CONTENT
(Approximate)**

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

06/25/12