

**NAME AND CODE****Magnesium Phosphate Tribasic USP Granular**

Code 2553

CHEMICAL FORMULA $Mg_3(PO_4)_2 \cdot 5H_2O$

Mol. Wt. 352.87

CAS NUMBER

7757-87-1

USE

Nutrient; Dietary Supplement; Pharmaceuticals

DESCRIPTION

White granules; odorless

CHEMICAL SPECIFICATION

TESTS	SPECIFICATIONS
Identification	
Test A	passes test
Test B	passes test
Assay	98.0% - 101.5%
Acid Insoluble Substances	0.2% maximum
Soluble Substances	1.5% maximum
Carbonate	passes test
Chloride	0.14% maximum
Limit of Nitrate	passes test
Sulfate	0.6% maximum
Arsenic (As)	3 ppm maximum
Barium	passes test
Calcium	passes test
Dibasic salt and magnesium oxide	14.8-15.4 ml/g
Lead (Pb)	5 ppm maximum
Heavy metals	0.003% maximum
LOI	20.0-27.0%
Particle Size	
Through a 30 mesh	100.0% minimum
<u>Microbial Test Results</u>	
Aerobic Plate Count	1000 cfu/gm maximum
Yeast and Mold Count	100 cfu/gm maximum
Total Coliforms	Negative
E. Coli	passes test

MAGNESIUM CONTENT

Anhydrous Basis	25.2 - 28.5%
Pentahydrate Basis	20.1 - 20.9%

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

02/23/09