

**NAME AND CODE****Magnesium Phosphate Tribasic Pentahydrate USP Powder**

Code 2563

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 powder; 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 140 mesh

99.0% minimum

E. coli

Absent

MAGNESIUM CONTENT

Anhydrous Basis

27.1 - 28.1%

Pentahydrate Basis

20.2 - 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

12/29/05