

**NAME AND CODE****Calcium Citrate Tetrahydrate USP Low HM Powder**

Code 2214

CHEMICAL FORMULA $\text{Ca}_3(\text{C}_6\text{H}_5\text{O}_7)_2 \cdot 4\text{H}_2\text{O}$ Mol. Wt. 570.50**CAS NUMBER**

5785-44-4

USE

Nutrient; Dietary Supplement; Pharmaceuticals

DESCRIPTION

Fine, white powder with characteristic odor

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

Test A	To pass test
Test B	To pass test
Assay (anhydrous basis)	97.5%-100.5%
Fluoride	0.003% maximum
Lead (Pb)	1.0 ppm maximum
Cadmium (Cd)	1.0 ppm maximum
Arsenic (As)	1.0 ppm maximum
Mercury (Hg)	0.1 ppm maximum
Heavy Metals (as Pb)	0.002% maximum
LOD	10.0-13.3%
Acid Insolubles	0.2% maximum
Organic Volatile Impurities	Conforms to USP requirements

Microbial Tests

Aerobic Plate Count	1000 cfu / gram maximum
Yeast and Mold Count	100 cfu / gram maximum
Total Coliforms	Negative

CALCIUM CONTENT

Tetrahydrate Basis (As Is) 20.5-21.2%

CONTAINERS

56.8 kg / 125 lb. fiber drums; 25 kilogram packs EU only

STORAGE

Store in a clean, dry warehouse in the original unopened containers.

REVISION DATE

09/23/09