

**NAME AND CODE****Calcium Citrate Tetrahydrate USP Fine Granular**

Code 2232

**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 granule 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%
Arsenic (As)	3 ppm maximum
Fluoride	0.003% maximum
Lead (Pb)	0.2 ppm maximum
Heavy Metals (as Pb)	0.002% maximum
LOD	10.0-13.3%
Acid Insolubles	0.2% maximum
Residual Solvents	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**

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**

08/08/11