

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

Code 2229

**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%
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
Organic Volatile Impurities	Conforms to USP requirements

**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**

01/14/08