

**NAME AND CODE**

**Calcium Citrate Tetrahydrate USP**  
**Low Aluminum, Low Fluoride Ultrafine Powder**

Code 2249

**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**

97.5-100.5 %

Aluminum

5 ppm maximum

Fluoride

0.0025% maximum

Heavy Metals (as Pb)

0.002% maximum

LOD

10.0-13.3%

Particle Size

6 micron median maximum

Arsenic

3 ppm maximum

Acid Insolubility

0.2 % maximum

Lead

10 ppm maximum

Residual Solvents

Conforms to USP

**Microbial Test Results**

Aerobic Plate Count

1000 cfu/gm maximum

Yeast and Mold Count

100 cfu/gm maximum

Total Coliforms

Negative

**LEAD (Typical)**

< 0.2 ppm

**CALCIUM CONTENT (Typical)**

Tetrahydrate Basis (As Is) 20.5% minimum

**CONTAINERS**

50 kg / 110 lb. fiber drums; 25 kilograms packs EU only

**STORAGE**

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

**REVISION DATE**

03/06/14