

**NAME AND CODE**

**Calcium Citrate Tetrahydrate USP**  
**Granular – Low Aluminum and Low Fluoride**

Code 2248

**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 granular 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%

**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

**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**

02/24/09