

**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

Arsenic

3 ppm maximum

Acid Insolubility

0.2 % maximum

Laser Diffraction Particle

Size Median

6 um 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

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

02/24/09