



# PRODUCT SHEET

## NAME AND CODE

**Calcium Citrate Tetrahydrate USP/GB 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 Ingredient; 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
Residual Solvents	Conforms to USP requirements
<u>Microbial Tests</u>	
Aerobic Plate Count	1000 cfu / gram maximum
Yeast and Mold Count	100 cfu / gram maximum
Total Coliforms	Negative
As-Is	20.5-21.1%

## CALCIUM CONTENT (For Formulation Guidance/ Not a Specification)

## CONTAINERS

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

## STORAGE

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

## REVISION DATE

05/05/2021