Supplied by LiquidShop
Item No.: CALCIUM_CITRATE
Revision: 00 Date: 2026-10-08

Product Specification Sheet

1. Product Description

Product Name:	Calcium Citrate — Bulk Food Grade
Chemical / Common Name:	Tricalcium dicitrate tetrahydrate
Synonyms:	Calcium citrate, tricalcium citrate, E333(iii)
Ingredient Statement:	Calcium citrate
Molecular Formula / Weight:	Ca3(C6H5O7)2·4H2O / 570.5 g/mol
CAS No. / HS Code:	5785-44-4 / 2918.15
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☐ USP / FCC
Country of Origin:	China
Description:	White powder with characteristic odour and taste.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Description	Powder	Organoleptic
Color	White	Organoleptic
Odor	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Content (%)	97.5 – 100.5	USP
Calcium Content (%)	≥ 20	USP
Fluoride (%)	≤ 0.003	USP
Acid Insoluble Ash (%)	≤ 0.2	USP <561>
Loss on Drying (%)	≤ 14	USP <731>

3. Contaminants

Parameter	Specification	Method
Total Heavy Metals (ppm)	≤ 10	USP <231>
Lead (Pb) (ppm)	≤ 2	USP <232>

4. Microbiological Characteristics

Parameter	Specification	Method
Not specified	—	—

5. Allergen Declaration

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
Peanuts	☐ Yes ☒ No	☐ Yes ☐ No
Tree nuts	☐ Yes ☒ No	☐ Yes ☐ No
Sesame seeds	☐ Yes ☒ No	☐ Yes ☐ No
Milk	☐ Yes ☒ No	☐ Yes ☐ No
Eggs	☐ Yes ☒ No	☐ Yes ☐ No
Fish	☐ Yes ☒ No	☐ Yes ☐ No
Crustaceans & molluscs	☐ Yes ☒ No	☐ Yes ☐ No

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
Soy	☐ Yes ☒ No	☐ Yes ☐ No
Wheat & triticale	☐ Yes ☒ No	☐ Yes ☐ No
Gluten (barley, oats, rye)	☐ Yes ☒ No	☐ Yes ☐ No
Mustard	☐ Yes ☒ No	☐ Yes ☐ No
Sulphites (≥ 10 ppm)	☐ Yes ☒ No	☐ Yes ☐ No

6. Regulatory Status

GMO Status:	☒ Non-GMO ☐ Contains GMO ☐ Not applicable
Irradiation:	☒ Not irradiated ☐ Irradiated
Certifications:	☐ Kosher ☐ Halal ☐ Organic ☐ Vegan ☐ Other: _____
BSE / TSE Statement:	BSE/TSE free.
Standard of Quality:	Tested per USP methods; complies with the specification above.

7. Packaging, Storage & Shelf Life

Uses:	Calcium source for fortification of beverages, foods and nutritional supplements.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Store in a cool, dry place in a well-closed container, away from heat, moisture and direct sunlight.
Shelf Life:	24 months.
Lot Code Format:	YYYYMMDDNN (repack date + sequence), traceable to the manufacturer lot.

8. Quality Assurance Review

Reviewed By (QA): LiquidShop Quality Assurance **Review Date:** 2026-10-08

This document was prepared electronically and reviewed by LiquidShop Quality Assurance. It is valid without a signature.

The information contained in this document is accurate to the best of our knowledge. It is the responsibility of the user to ensure the product is suitable for its intended application and complies with applicable regulations.