Product Specification Sheet

1. Product Description

Product Name:	Calcium Carbonate — Bulk Food Grade
Chemical / Common Name:	Calcium carbonate
Synonyms:	E170
Ingredient Statement:	Calcium carbonate
Molecular Formula / Weight:	CaCO3 / 100.09 g/mol
CAS No. / HS Code:	471-34-1 / 2836.50
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC
Country of Origin:	USA
Description:	Calcium carbonate USP, extra light grade.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Assay (CaCO3) (%)	98 – 100.5	USP
Loss on Drying (%)	≤ 2	USP
Acid-Insoluble Matter (%)	≤ 0.2	USP
Magnesium and Alkali Salts (%)	≤ 1	USP
Fluoride (ppm)	≤ 50	USP
Iron (ppm)	≤ 1,000	USP
Particle Size (+325 mesh) (%)	≤ 0.15	Sieve
Tapped Density (lb/ft³)	22.7 – 27.7	Density

3. Contaminants

Parameter	Specification	Method
Heavy Metals (ppm)	≤ 20	USP
Lead (Pb) (ppm)	≤ 3	USP
Arsenic (As) (ppm)	≤ 3	USP
Mercury (Hg) (ppm)	≤ 0.5	USP

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

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
Crustaceans & molluscs	☐ Yes ☒ No	☐ Yes ☐ No
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:	Mineral product, not of animal origin. Free from BSE/TSE risk.
Standard of Quality:	Calcium Carbonate USP.

7. Packaging, Storage & Shelf Life

Uses:	Calcium fortification, acidity regulator and anti-caking agent for foods, beverages and supplements.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Store in a cool, dry place. Keep container closed.
Shelf Life:	—
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.