Product Specification Sheet

1. Product Description

Product Name:	Magnesium Citrate (Tribasic, Anhydrous) — Bulk Food Grade
Chemical / Common Name:	Trimagnesium dicitrate, anhydrous
Synonyms:	Magnesium citrate tribasic, magnesium citrate anhydrous
Ingredient Statement:	Magnesium citrate
Molecular Formula / Weight:	Mg3(C6H5O7)2 / 451.1 g/mol
CAS No. / HS Code:	3344-18-1 / 2918.15
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC
Country of Origin:	—
Description:	White to off-white granular powder. USP grade nutrient / dietary ingredient.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Identification Test A	Pass	USP
Identification Test B	Pass	USP
Appearance	White / off-white	USP
Residual Solvents	Conforms to USP	USP
Loss on Drying (%)	≤ 2.0	USP
Assay (%)	14.5 – 16.4	USP
Magnesium (as-is)	Report	USP
pH (5 %)	5.0 – 9.0	USP
Chloride (%)	≤ 0.05	USP
Iron (ppm)	≤ 100	USP
Sulfate (%)	≤ 0.2	USP
Calcium (%)	≤ 0.15	USP

3. Contaminants

Parameter	Specification	Method
Heavy Metals (ppm)	≤ 10	USP
Arsenic (As) (ppm)	≤ 3	USP
Lead (Pb) (ppm)	≤ 0.5	USP
Mercury (Hg) (ppm)	≤ 1	USP

4. Microbiological Characteristics

Parameter	Specification	Method
Aerobic Plate Count (CFU/g)	≤ 1,000	USP
Yeast & Mould (CFU/g)	≤ 100	USP
Total Coliforms	Negative	USP

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
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 salt, not of animal origin. Free from BSE/TSE risk.
Standard of Quality:	USP grade.

7. Packaging, Storage & Shelf Life

Uses:	Magnesium source for supplements, functional beverages, electrolyte drinks and mineral fortification.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Store in a clean, dry place in closed containers.
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.