Product Specification Sheet

1. Product Description

Product Name:	Sodium Citrate (Trisodium Citrate Dihydrate) — Bulk Food Grade
Chemical / Common Name:	Trisodium citrate dihydrate
Synonyms:	Sodium citrate, E331(iii)
Ingredient Statement:	Sodium citrate
Molecular Formula / Weight:	C6H5Na3O7·2H2O / 294.10 g/mol
CAS No. / HS Code:	6132-04-3 / 2918.15
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC
Country of Origin:	China
Description:	White crystalline powder, freely soluble in water. Complies with BP/USP/FCC/E331 standards.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Characters	White crystalline powder	BP / USP / FCC
Identification	Passes test	BP / USP / FCC
Appearance of Solution	Passes test	BP / USP / FCC
Assay (%)	99.0 – 100.5	BP / USP / FCC
Loss on Drying (Water) (%)	10.0 – 13.0	BP / USP / FCC
Readily Carbonisable Substances	Passes test	BP / USP / FCC
Acidity or Alkalinity	Passes test	BP / USP / FCC
pH (5 % aqueous solution)	7.5 – 9.0	BP / USP / FCC
Sulfate (mg/kg)	≤ 150	BP / USP / FCC
Oxalate (mg/kg)	≤ 100	BP / USP / FCC
Chloride (mg/kg)	≤ 50	BP / USP / FCC
Tartrate	Passes test	BP / USP / FCC

3. Contaminants

Parameter	Specification	Method
Heavy Metals (mg/kg)	≤ 10	BP / USP / FCC
Lead (Pb) (mg/kg)	≤ 2	BP / USP / FCC
Arsenic (As) (mg/kg)	≤ 1	BP / USP / FCC
Mercury (Hg) (mg/kg)	≤ 1	BP / USP / FCC

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

Priority Allergen (Health Canada)	Present in Product	Same Line / Facility
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:	Not of animal origin. Free from BSE/TSE risk.
Standard of Quality:	Complies with BP, USP, FCC and E331 specifications.

7. Packaging, Storage & Shelf Life

Uses:	Acidity regulator, buffering agent, emulsifying salt and sequestrant for beverages, dairy and processed foods.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Store in a cool, dry place in closed containers.
Shelf Life:	Three years when stored in an unopened container under cool, dry conditions.
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.