

Product Specification Sheet

1. Product Description

Product Name:	Potassium Citrate — Bulk Food Grade
Chemical / Common Name:	Tripotassium citrate monohydrate
Synonyms:	Potassium citrate, E332
Ingredient Statement:	Potassium citrate
Molecular Formula / Weight:	K3C6H5O7·H2O / 324.41 g/mol
CAS No. / HS Code:	6100-05-6 / —
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC
Country of Origin:	China
Description:	White crystals or granular powder; odourless, salty taste; slightly deliquescent. Readily soluble in water or glycerine, almost insoluble in ethanol.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Appearance	White, granular powder or transparent crystals	E332 / BP2020
Identification	Positive tests for citrate and for potassium	E332 / BP2020
Appearance of Solution	Clear and colourless	E332 / BP2020
Acidity or Alkalinity	Passes test	E332 / BP2020
Readily Carbonisable Substances	Passes test	E332 / BP2020
pH (5 % aqueous solution)	7.5 – 9.0	E332 / BP2020
Loss on Drying (180 °C, 4 h) (%)	≤ 6	E332 / BP2020
Assay, anhydrous basis (%)	≥ 99.5	E332 / BP2020
Potassium (K) (%)	≥ 35.7	E332 / BP2020
Oxalates (ppm)	≤ 100	E332 / BP2020
Chloride (Cl) (%)	≤ 0.005	E332 / BP2020
Sulphates (%)	≤ 0.015	E332 / BP2020
Sodium (%)	≤ 0.3	E332 / BP2020

3. Contaminants

Parameter	Specification	Method
Heavy Metals (as Pb) (ppm)	≤ 5	E332 / BP2020
Lead (Pb) (ppm)	≤ 1	E332 / BP2020
Arsenic (As) (ppm)	≤ 1	E332 / BP2020
Mercury (Hg) (ppm)	≤ 1	E332 / BP2020

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
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:	Complies with E332, BP2020 and USP specifications.

7. Packaging, Storage & Shelf Life

Uses:	Buffer, chelating agent, stabilizer, emulsifying salt and acidity regulator in foods and beverages; potassium source.
Packaging:	Food-grade sealed pouches, repacked from the manufacturer's original packaging.
Storage Conditions:	Keep in tightly closed containers in a dry, ventilated area, away from moisture and heat.
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
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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.