Product Specification Sheet

1. Product Description

Product Name:	Acesulfame K — Bulk Food Grade
Chemical / Common Name:	Acesulfame potassium
Synonyms:	Ace-K, Acesulfame-K, E950
Ingredient Statement:	Acesulfame potassium
Molecular Formula / Weight:	C4H4KNO4S / 201.24 g/mol
CAS No. / HS Code:	55589-62-3 / 2934.99
Grade:	☐ Conventional ☐ Organic ☒ Food Grade ☒ USP / FCC
Country of Origin:	China
Description:	White, odourless crystalline powder with an intensely sweet taste (approx. 200x sucrose). Heat stable.

2. Physical & Chemical Characteristics

Parameter	Specification	Method
Appearance	White crystalline powder	Visual
Odour & Taste	Odourless; intensely sweet	Organoleptic
Identification	Positive (potassium); UV 227 ± 2 nm; IR conforms	FCC
pH (1 % solution)	5.5 – 7.5	FCC
Loss on Drying (105 °C, 3 h) (%)	≤ 1.0	FCC
Particle Size / Mesh	30 – 100 mesh	Sieve
Bulk Density (g/mL)	0.5 – 0.7	FCC
Solubility	Freely soluble in water; slightly soluble in ethanol and acetone	FCC
Assay (%)	99.0 – 101.0	FCC
Potassium (%)	17 – 21	FCC
Organic Impurities (µg/g)	≤ 20	FCC
Impurity A (%)	≤ 0.125	FCC
Impurity B (mg/kg)	≤ 20	FCC
Fluoride (mg/kg)	≤ 3	FCC
Sulfate (%)	≤ 0.1	FCC

3. Contaminants

Parameter	Specification	Method
Heavy Metals (as Pb) (ppm)	≤ 5	FCC
Lead (Pb) (ppm)	≤ 1	FCC
Arsenic (As) (ppm)	≤ 3	FCC
Mercury (Hg) (ppm)	≤ 1	FCC
Selenium (Se) (ppm)	≤ 10	FCC

4. Microbiological Characteristics

Parameter	Specification	Method
Total Plate Count (CFU/g)	≤ 250	FCC
Yeast & Mould (CFU/g)	≤ 50	FCC
Coliforms (MPN/g)	≤ 3	FCC
E. coli	Negative	FCC
Salmonella	Negative	FCC

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:	Synthetic product, not of animal origin. Free from BSE/TSE risk.
Standard of Quality:	Complies with FCC, USP, EP/BP and JECFA specifications (E950).

7. Packaging, Storage & Shelf Life

Uses:	High-intensity sweetener for beverages, foods and supplements.
Packaging:	Food-grade sealed pouches (1, 2 and 5 kg), repacked from 25 kg cartons with double PE liners.
Storage Conditions:	Store in a cool, dry place, protected from light. Keep container closed.
Shelf Life:	2 years from date of manufacture in original packaging.
Lot Code Format:	YYYYMMDDNN (repack date + sequence), traceable to the manufacturer lot.

8. Quality Assurance Review

Reviewed By (QA): LiquidShop Quality Assurance **Review Date:** 2026-10-07

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.