LiquidShop
613 Rte du Président-Kennedy, porte 6
Lévis, QC G6C 1J6 · CAN

CERTIFICATE OF ANALYSIS

Item Name:	Acesulfame K (Acesulfame Potassium)	**Batch / Lot Number:**	202311181
Item Number:	ACESULFAME_K	**Manufacturing Date:**	2023-11-17
Country of Origin:	China	**Best Before / Retest:**	2026-11-17

Test	Test Result	Specification	UOM	Method
Appearance	White, odourless, free-flowing crystalline powder	Conforms		Visual
Taste	Intensely sweet (approx. 200x sucrose)	Conforms		Organoleptic
Solubility	Freely soluble in water; slightly soluble in ethanol	Conforms		Solubility
UV Absorbance	227	225 – 229	nm	UV absorbance
Identification	Positive (potassium); yellow precipitate	Positive		Identification / IR
Assay	99.51	99 – 101	%	Assay
Loss on Drying (3 h @ 105 °C)	0.08	≤ 1	%	Gravimetry
Organic Impurities	<20	≤ 20	µg/g	Impurities
Impurity A	<0.125	≤ 0.125	%	Impurities
Impurity B	<20	≤ 20	mg/kg	Impurities
Potassium	17.58	17 – 21	%	Mineral analysis
Fluoride	0.60	≤ 3	mg/kg	Mineral analysis
Sulphate	<0.1	≤ 0.1	mg/kg	Sulphate
pH (1 % solution)	6.84	5.5 – 7.5		ASTM E70
Particle Size (30–100 mesh)	95	90 – 100	%	Granulation
Heavy Metals	<5	≤ 5	mg/kg	Heavy metals
Lead (Pb)	Not detected	≤ 1	mg/kg	Heavy metals
Arsenic (As)	<1	≤ 3	mg/kg	Heavy metals
Mercury (Hg)	Not detected	≤ 1	mg/kg	Heavy metals
Selenium (Se)	Not detected	≤ 10	mg/kg	Heavy metals
Aerobic Plate Count	<10	≤ 250	CFU/g	Plate count
Yeast & Mould	<10	≤ 50	CFU/g	Y&M
Coliforms	Not detected	≤ 3	MPN/g	Coliforms
E. coli	Negative	Negative		E. coli
Salmonella	Negative	Negative		Salmonella

Conclusion

☒ This lot CONFORMS to the LiquidShop product specification. ☐ This lot DOES NOT CONFORM.

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.

This Certificate of Analysis relates only to the batch identified above. Results as reported on the manufacturer's certificate of analysis.