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

CERTIFICATE OF ANALYSIS

Item Name:	Ascorbic Acid (Vitamin C)	**Batch / Lot Number:**	1125060176
Item Number:	ASCORBIC_ACID	**Manufacturing Date:**	2025-06-23
Country of Origin:	China	**Best Before / Retest:**	2029-06-22

Test	Test Result	Specification	UOM	Method
Appearance	Qualified	White or almost white, crystalline powder or colourless crystals		USP
Identification	Qualified	Positive reaction		USP
Specific Optical Rotation	+20.89°	+20.5° – +21.5°		USP
pH (5 % solution)	2.4	2.1 – 2.6		USP
pH (2 % solution)	2.6	2.4 – 2.8		USP
Impurity E	Conform	≤ 0.20	%	USP
Clarity of Solution	Clear	Clear		USP
Colour of Solution	< BY7	≤ BY7		USP
Assay (C6H8O6)	99.9	99.0 – 100.5	%	USP
Melting Point	190.3 – 191.2	190 – 192	°C	USP
Impurity C	Conform	≤ 0.15	%	USP
Unspecified Impurities (each)	Conform	≤ 0.10	%	USP
Sum of Impurities other than C and D	Conform	≤ 0.20	%	USP
Particle Size (through #20 mesh)	100	≥ 100	%	Sieve
Particle Size (through #100 mesh)	7.26	≤ 30.0	%	Sieve
Residue on Ignition	< 0.1	≤ 0.1	%	USP
Loss on Drying	Conform	≤ 0.2	%	USP
Heavy Metals	Conform	≤ 10.0	mg/kg	USP
Iron	Conform	≤ 2.0	mg/kg	USP
Copper	Conform	≤ 5.0	mg/kg	USP
Lead	Conform	≤ 0.5	mg/kg	USP
Arsenic	Conform	≤ 1.0	mg/kg	USP
Cadmium (Cd)	Conform	≤ 0.5	mg/kg	USP
Mercury	Conform	≤ 0.1	mg/kg	USP
Residual Solvents (as methanol)	Conform	≤ 3000	mg/kg	USP
Total Plate Count	Conform	≤ 1000	CFU/g	USP
Yeasts and Moulds	Conform	≤ 100	CFU/g	USP
Escherichia coli	Conform	Negative in 10 g		USP
Salmonella	Conform	Negative in 25 g		USP
Staphylococcus aureus	Conform	Negative in 25 g		USP

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Conclusion

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

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.

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