

CERTIFICATE OF ANALYSIS EMPTY HARD CAPSULES OF VEGETABLE ORIGIN

LOT NO.: [REDACTED] **SIZE:** 00
PRODUCT CODE: KCC00-1000
CAPSULE COLOUR: CAP - Natural / BODY - Natural
PRINT: N/A **TEXT:** N/A **INK COLOUR:** N/A

THIS IS TO CERTIFY THAT:
 CapsCanada® capsules are preservative free and manufactured under strict cGMP conditions. All empty capsules are manufactured from pharmaceutical cellulose ethers, which are polymers derived from vegetable sources. Cellulose used to manufacture empty vegetable capsules by CapsCanada® meet the current USP/NF and EP requirements. CapsCanada® may blend pharmaceutical cellulose. Capsules are certified as Kosher and Halal.
Certificate of Analysis applicable to boxes: 1 – 45

Colour Formulation (% Ingredients to % Cellulose)

Cap	%	Body	%
Not applicable		Not applicable	

Due to the nature of the raw materials, the colour formulation represents target values only. The actual values may differ slightly to ensure the consistency of the finished product.

Date of Manufacture: 10/20 **Expiry Date:** 10/25

CRITERIA	METHOD	SPECIFICATIONS	RESULTS
ORGANOLEPTIC			
Colour	Internal	Meets the specified requirements	Passes
Odour	Internal	Typical of Cellulose	Passes
Physical Form	Internal	Clean empty capsule shells meeting the above colour and size	Passes
PHYSICAL			
Average Capsule Weight	Internal	130.0 – 144.0 mg	134.6
Disintegration	USP	NMT 15 minutes	Passes
Loss on Drying	USP	4.0 – 8.0 %	5.6
Visual Defects	Internal	Conforms to the established AQLs	Passes
ANALYTICAL			
Arsenic*	USP	NMT 0.8 ppm	Passes
Cadmium*	USP	NMT 0.5 ppm	Passes
Cobalt*	USP	NMT 5.0 ppm	Passes
Lead*	USP	NMT 0.5 ppm	Passes
Mercury*	USP	NMT 0.1 ppm	Passes
Nickel*	USP	NMT 20.0 ppm	Passes
Vanadium*	USP	NMT 10.0 ppm	Passes
Identification (HPMC)	USP	Meets USP Reqs	Passes
Escherichia coli*	USP	Absent CFU/g	Absent
Pseudomonas aeruginosa*	USP	Absent CFU/g	Absent
Sulfated Ash / Residue on Ignition*	USP	NMT 1.5% Transparent, NMT 6.0% Opaque	1.0
Salmonella*	USP	Absent CFU/10g	Absent
Staphylococcus aureus*	USP	Absent CFU/g	Absent
Total Aerobic Count	USP	NMT 1000 CFU/g	12 CFU/g
Yeast and Molds	USP	NMT 100 CFU/g	<10 CFU/g

Storage Conditions: Temperature: 15°C – 30°C Relative Humidity: 35% - 70% *Reduced frequency testing

[REDACTED] **Date:** [REDACTED] **Origin:** Canada 75K/box
 Quality Control
 QK-46 Version 4