SILK FOODS CEYLON

CERTIFICATE OF ANALYSIS (COA)

Company Information

Manufacturer	Silk Foods Ceylon (Pvt) Ltd
Exporter	E-Silk Route Ventures (Pvt) Ltd
Address	Silk Ag Tech Park, Hapugasyaya, Nalanda, Matale, Sri Lanka
Contact	+94 743 693 048
Email	info@esilkroute.com.lk
Website	https://esilkroute.com.lk

Product Information

Document No.	SFC/COA/HC-BGRD/2026/01
Product	Bitter Gourd Capsule
Botanical Name / Source	*Momordica charantia L.*
Country of Origin	Sri Lanka
Operation Type	Manufacturing — full in-house process per the QA-approved Process Flow Master Document
Batch No.	SFC-HCBGRD-25120
Manufacturing Date	30 April 2025
Expiry Date	30 April 2027

Storage and Handling Instructions

- Store in a cool, dry place at ambient temperature (15–25 °C), relative humidity below 65 %.
- Protect from direct sunlight, heat sources, moisture, strong odours and pests.
- Handle using clean, dry, and appropriate utensils to prevent contamination.
- Once opened, reseal tightly and consume within a reasonable period.

Physical & Organoleptic Analysis

Parameter	Specification / Result
Capsule Appearance	Uniform capsule, intact shell, free from defects
Fill Colour	Green-tan powder in capsule
Fill Aroma	Characteristic, bitter
Capsule Weight	Per label specification ± 5 %

Chemical Analysis

Parameter	Result
Moisture (fill, %)	6.5 %
Capsule Disintegration	12 minutes
Capsule Weight Uniformity	Within USP <2091> limits
Active-Compound Assay	Within label claim ± 10 %
Pesticide Residues (fill)	Compliant — all residues below MRL

Heavy Metal Analysis

Parameter	Result
Lead (Pb)	0.28 mg/kg
Cadmium (Cd)	0.05 mg/kg
Arsenic (As)	0.11 mg/kg
Mercury (Hg)	0.03 mg/kg

Microbiological Analysis

Parameter	Result
Aerobic Plate Count	5.0×10^3 CFU/g
Yeast & Mould	45 CFU/g
Total Coliforms	< 10 CFU/g
Escherichia coli	Not detected
Salmonella spp.	Not detected
Staphylococcus aureus	Not detected
Listeria monocytogenes	Not detected / 25 g
Bacillus cereus	$< 1 \times 10^2$ CFU/g

Mycotoxin Analysis

Parameter	Result
Aflatoxin B1	0.6 µg/kg
Aflatoxin Total	1.2 µg/kg
Ochratoxin A	1.4 µg/kg

Pesticide Residue Analysis

Parameter	Result
Total Pesticide Residue (multi-residue scan)	Compliant — all residues below MRL

Authorization

Report Prepared By	Manager Quality Assurance / R&D
Report Approved By	Factory Manager
Date of Issue	30 April 2025
Revision	2026 V1.1
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