SILK FOODS CEYLON

TECHNICAL PRODUCT SPECIFICATION

Company Information

Manufacturer	Silk Foods Ceylon (Pvt) Ltd
Exporter	E-Silk Route Ventures (Pvt) Ltd
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Document Information

Document No.	SFC/SPEC/HC-ACV/2026/01
Product Name	Apple Cider Vinegar Extract Capsules
Version	2026 V1.1
Date of Issue	31 May 2026
Revision	2026 V1.1
Revision Date	31 May 2026
Operation	Manufacturing — full in-house process per the QA-approved Process Flow Master Document

1. Product Description

Apple Cider Vinegar Extract Capsules delivers *Malus domestica Borkh. (vinegar)* in a {capsule_type} capsule format. Active material is sourced through E-Silk Route Ventures' direct-trade smallholder network, processed under FSSC 22000 / HACCP / GMP conditions, and encapsulated to deliver a standardised serving size per capsule.

2. Intended Use

Apple Cider Vinegar Extract Capsules is intended for use as a dietary supplement. Refer to label for serving size and contraindications. Not intended to diagnose, treat, cure or prevent any disease. Consult a qualified healthcare provider before use during pregnancy, lactation, or with prescription medication.

3. Ingredient Declaration

100 % Apple Cider Vinegar Extract Capsules (*Malus domestica Borkh. (vinegar)*)

4. Allergen Declaration

Free from all 14 major allergens declared under EU Regulation 1169/2011 (where capsule shell and excipients are allergen-free). Capsule shell type (HPMC vegetarian / gelatin) declared on label.

5. Nutritional Information (Per 100 g)

Nutrient	Amount per 100 g
energy (kcal)	290
energy (kJ)	1213
carbohydrate (g)	65
of which total sugars (g)	5
dietary fibre (g)	8
protein (g)	5
total fat (g)	1
of which saturated fa (g)	0.2
trans fatty acids (g)	0
sodium (mg)	80

6. Physical Specifications (Sensory / Organoleptic)

Parameter	Specification
Capsule Appearance	Uniform capsule, intact shell, free from defects
Fill Colour	Light-brown powder in capsule
Fill Aroma	Mild vinegar
Capsule Weight	Per label specification ± 5 %

7. Chemical Specifications

Parameter	Specification	Method
Moisture (fill, %)	≤ 8.0 %	ISO 939:2021
Capsule Disintegration	≤ 30 minutes (USP <2040>)	—
Capsule Weight Uniformity	Per USP <2091>	—
Active-Compound Assay	Per label claim ± 10 %	—
Pesticide Residues (fill)	Compliant with EU 396/2005	Multi-residue GC-MS/MS + LC-MS/MS (QuEChERS, EN 15662)

8. Microbiological Criteria

Parameter	Limit	Method
Aerobic Plate Count	≤ 1×10^4 CFU/g (EU 2073/2005 (process hygiene))	ISO 4833-1:2013 (Amd 1:2022)
Yeast & Mould	≤ 1×10^2 CFU/g (EU 2073/2005 (process hygiene))	ISO 21527-2:2008
Total Coliforms	≤ 1×10^2 CFU/g (EU 2073/2005 (process hygiene))	ISO 4832:2006
Escherichia coli	Absent / g (EU 2073/2005 (food safety))	ISO 7251:2005 (Amd 1:2023)
Salmonella spp.	Absent / 25 g (EU 2073/2005 (food safety))	ISO 6579-1:2017 / Amd 1:2020
Staphylococcus aureus	≤ 1×10^2 CFU/g (EU 2073/2005 (process hygiene))	ISO 6888-1:2021 (Amd 1:2023)
Listeria monocytogenes	Absent / 25 g (EU 2073/2005 (food safety))	ISO 11290-1:2017
Bacillus cereus	≤ 1×10^2 CFU/g (EU 2073/2005 (process hygiene))	ISO 7932:2004 (Amd 1:2020)

9. Heavy Metal Limits

Parameter	Limit	Method
Lead (Pb)	≤ 3 mg/kg (WHO Quality Control of Herbal Medicines (capsule contents))	ICP-MS per AOAC 999.10 / EPA 6020B
Cadmium (Cd)	≤ 0.3 mg/kg (WHO Quality Control of Herbal Medicines)	ICP-MS per AOAC 999.10 / EPA 6020B
Arsenic (As)	≤ 1 mg/kg (WHO Quality Control of Herbal Medicines)	ICP-MS per AOAC 999.10 / EPA 6020B
Mercury (Hg)	≤ 0.1 mg/kg (WHO Quality Control of Herbal Medicines)	CV-AAS per AOAC 977.15 / EPA 7473

10. Mycotoxin Limits

Parameter	Limit	Method
Aflatoxin B1	≤ 5 µg/kg (EU 1881/2006 (herbal supplements))	HPLC-FLD per AOAC 991.31
Aflatoxin Total	≤ 10 µg/kg (EU 1881/2006 (herbal supplements))	HPLC-FLD per AOAC 991.31
Ochratoxin A	≤ 20 µg/kg (EU 1881/2006 (herbal supplements))	HPLC-FLD per AOAC 2000.03

11. Pesticide Residues

Parameter	Limit	Method
Total Pesticide Residue (multi-residue scan)	Within EU Regulation (EC) 396/2005 MRL limits	Multi-residue GC-MS/MS + LC-MS/MS (QuEChERS, EN 15662)

12. Shelf Life & Storage

Shelf Life: 24 months from date of manufacture.

After Opening: Use within 6 months of opening.

Storage Conditions:

- 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.

13. Packaging

Primary Packaging: HDPE bottles with induction seal + tamper-evident closure — 30 / 60 / 90 / 180 capsule counts.

Bulk / Secondary Packaging: Bulk fibre drums for B2B private-label. Printed cartons.

Coding: Batch, MFD, EXP, Lot No. printed.

14. Compliance & Standards

Products comply with Sri Lanka Food Act No. 26 of 1980 + Regulations 2026, EU Regulation (EC) 1881/2006 (heavy metal contaminants), EU Regulation (EC) 2073/2005 (microbiological criteria), EU Regulation (EC) 396/2005 (pesticide MRLs), EU Regulation 1169/2011 (Food Information to Consumers), and applicable Codex Alimentarius standards. Products are manufactured under BRCGS, FSSC 22000, HACCP, ISO 22000 and GMP-certified facilities.

Authorization

Report Prepared By	Manager Quality Assurance / R&D
Report Approved By	Factory Manager
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