SILK FOODS CEYLON

# MANUFACTURING PROCESS

*ISO 5807 Notation · BRCGS · FSSC 22000 · HACCP · ISO 22000 · GMP*

## Company Information

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

| | |
|---|---|
| **Document No.** | SFC/MFG/HC-SARC/2026/01 |
| **Process** | Sarsaparilla Capsules Manufacturing Process (Raw Material → Packed Product) |
| **Product** | Sarsaparilla Capsules |
| **Operation Type** | Manufacturing — full in-house process per the QA-approved Process Flow Master Document |
| **Standard** | BRCGS, FSSC 22000, HACCP, ISO 22000, GMP |
| **Date of Issue** | 30 April 2025 |
| **Revision** | 2026 V1.1 |
| **Revision Date** | 30 April 2025 |
| **Prepared By** | Production & QA Team — Silk Foods Ceylon (Pvt) Ltd |

## Approved Process Flow

RM Receiving → QC Testing → Sieving → Magnetic separator → Encapsulation → Capsule Weight Check → Polishing → Bottle Filling → Sealing → Labeling → Packing

*Source: Process Flow Master Document (QA-approved)*

## Process Flow Steps — 11 Steps (ISO 5807 Notation)

| # | Shape | Process Step | Description / Critical Limit | CCP? | Notes |
|---|---|---|---|---|---|
| 1 | TERMINAL | RM Receiving | — | — | |
| 2 | DECISION | QC Testing | — | — | |

| | | | | | |
|---|---|---|---|---|---|
| 3 | PROCESS | Sieving | — | — | |
| 4 | CCP | Magnetic separator | — | ✓ CCP | |
| 5 | PROCESS | Encapsulation | — | — | |
| 6 | CCP | Capsule Weight Check | — | ✓ CCP | |
| 7 | PROCESS | Polishing | — | — | |
| 8 | PROCESS | Bottle Filling | — | — | |
| 9 | PROCESS | Sealing | — | — | |
| 10 | PROCESS | Labeling | — | — | |
| 11 | TERMINAL | Packing | — | — | |

## Critical Control Points (CCPs) — Critical Limits

| | |
|---|---|
| **CCP** | CCP 1 — Magnet Separation (Ferrous Foreign-Matter Removal) |
| **Critical Limit** | Product passes over / through a high-intensity permanent magnet separator (≥ 8,000 Gauss / ≥ 0.8 Tesla surface flux). All ferrous foreign matter retained on the magnet. Magnet present, clean and correctly positioned before each batch. |
| **Monitoring** | Magnet presence, cleanliness and position checked at the start of every batch and at end of shift; any captured material recorded; surface flux (Gauss) verified at the scheduled calibration interval. |
| **Corrective Action** | If the magnet is found displaced, fouled or below required flux: stop the line, isolate all product since the last verified check, re-pass the affected product over the magnet, investigate the source and document the non-conformance. |
| **Verification** | QA Manager weekly review of the magnet-separation log; annual third-party flux-density (Gauss) calibration certificate. |
| **Records** | Magnet Separation Log (MG-01), Annual Gauss Calibration Certificate |

| | |
|---|---|
| **CCP** | CCP 2 — Capsule Weight Variation |
| **Critical Limit** | Individual capsule fill weight within ± 7.5 % of target; batch mean within ± 2 % of target (per USP <2091>). |
| **Monitoring** | In-process weight check every 30 minutes — 20 capsules sampled; statistical control chart maintained throughout the run. |
| **Corrective Action** | If outside specification: stop the encapsulator, re-calibrate fill weight, and rework or reject the affected capsules. |
| **Verification** | QA Manager review per batch; daily calibration of the analytical balance. |
| **Records** | Capsule Weight Log (CW-01), Balance Calibration Record |

## ISO 5807 Shape Legend

- TERMINAL (oval) — Start / End point — begins or ends the process
- PROCESS (rectangle) — Operation or action step
- DECISION (diamond) — Quality checkpoint — Go / No-Go gate

- CCP (red highlight) — Critical Control Point — must monitor and record
- DOCUMENT (parallelogram) — Record creation — batch record, QC form

## Authorization

| | |
|---|---|
| **Report Prepared By** | Production Manager / QA Manager |
| **Report Approved By** | Factory Manager |
| **Date of Issue** | 30 April 2025 |
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