

Cocoa Butter Deodorised Food Grade

Critical Control Points (CCP) in Manufacturing

| Description | Hazard | Preventive measure | Corrective action | Control | Specifications |
|-------------------------------|--|--|-------------------------------|--|--|
| Sterilization (nibs) | Microbiological contamination | Sterilization | Automatic re-sterilization | Automatic, sterilization demand: Pathogen kill step | Zero pathogensTPC< 5000 |
| Sterilization (powder) | Microbiological contamination | Sterilization + Rework control program | Automatic re-sterilization | Automatic, sterilization demand: Pathogen kill step. Microbiological analysis | Zero pathogensTPC < 5000 |
| rotating sieve | Foreign matter | GMP + Sieving | Blocking and internal reject | Cleaning and inspection of sieve | 800 μ sieve |
| Metal detector (in powder) | Metallic particles in finished product | Metal control program | Blocking and internal reject | Check of detection with testbolds. Check of routing detected product | Fe, non-Fe and SS: all ≤2mm |
| Metal detector (in butter) | Metallic particles in finished product | Metal control program | Blocking and internal reject | Check of detection with testbolds | Fe, non-Fe and SS: all ≤3mm |
| Sterilization (liquor) | Microbiological contamination | Sterilization + Rework control program | Blocking and internal reject | Automatic sterilization. | Zero pathogensTPC < 5000 |

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Operational Prerequisite Programmes (OPRP) in Manufacturing

| Description | Hazard | Preventive measure | Corrective action | Control | Specifications |
|-----------------------------|--|---|------------------------------|--|---|
| Check magnet | Foreign matter (magnetic metal) | Metal control program | Blocking and internal reject | Cleaning and metal analysis of check magnet | No parts > 7,0 mm length |
| Pressing (steam heating) | Microbiological contamination | Inspection | Blocking and analysis | Visual, by operator Laboratory analysis | No steam leakage |
| Pressing (Hydraulic oil) | Hydraulic oil contamination | Inspection | Blocking and analysis | Visual, by operator Laboratory analysis | No oil leakage |
| Air filtration | Microbiological and physical contamination | Air and filter control program | Correct practices | Filter control program | depending on intended use in accordance with control program |
| Butter filtering | Microbiological and physical contamination | filter control program | Blocking and analysis | Proper use of materials, filter control program | Zero pathogensno foreign matter |
| Ingredients intake | Microbiological/ chemical/physical contamination | Inspection + Analysis Vendor control program | Reject | Visual inspection at intake Laboratory analysis | Zero pathogensfood gradeNo foreign matter |
| Pulverizing & Cooling | Microbiological contam. with cleaning | GMP | Correct practices | Inspection and proper use of material | Zero pathogensno foreign matter |
| Rework "Dry" | Microbiological contamination | Rework control Program | Correct practices | Rework control program | Zero pathogensno foreign matter |
| Rework 'wet' | Chemical contamination | Rework control program | Correct practices | Rework control program | No foreign matter |
| Liquor sieve | Foreign matter | GMP + Sieving | Blocking and internal reject | Cleaning and inspection of sieve. | • 0,5 mm. sieve |