Safe feed - GMP+ certification

Sandra de Bruin
Project Coordinator GMP+ International
Content

• GMP+ International
• GMP+ FC scheme – GMP+ FSA Module
• Important elements FSA certification

Highlights for fats & oils industry:
• Monitoring (dioxins)
• Forbidden products
• Gatekeeper protocol Palm Oil
• Feed support products
GMP+ International

1992 Start
1994 ISO9001
2000 HACCP
2003 CB’s

GMP
GMP+

Product Board Animal Feed
GMP+ International

2010 Separation & internationalisation
2013 Feed Responsibility Assurance

GMP+ Feed Safety Assurance
GMP+ Feed Responsibility Assurance

Feed for Food
GMP+ International
Partners (28): multi-stakeholders’ participation
Participants of GMP+ FSA, January 2014: total 12,576
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Scope of certification scheme

Primary production
- Collection, storage & transhipment
- Processing & production feed materials
- Transport & trade
- Premixes & compound feed production
- Livestock farming & processing animal products

Other certification scheme or gatekeeper option
Scope GMP+ Feed Certification scheme

Other certification scheme
GMP+ Feed Certification scheme

A – documents
General requirements for participation in the GMP+ FC scheme

B – documents
Normative documents, appendices and country notes

Feed Safety Assurance

Feed Responsibility Assurance

C – documents
Certification requirements of the GMP+ FC scheme
# GMP+ Feed Certification scheme

<table>
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<tr>
<th>Scopes</th>
<th>Standards</th>
<th>GMP+ B1</th>
<th>GMP+ B2</th>
<th>GMP+ B3</th>
<th>GMP+ B4</th>
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GMP+ FSA scheme

GMP+ BA1 ‘Product standards’

GMP+ BA4 ‘Inspection & analysis’

GMP+ BA10 ‘Purchase requirements’

+ some other

GMP+ B1 ‘Production, trade and services’
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Important elements GMP+ FSA scheme

- EWS-system
- Traceability
- Monitoring
- Process control
- Chain approach
- Prerequisites
- Product standards
- HACCP
- ISO
QM-system: ISO-9001-based

- Commitment of Management
- Establishing of a QMS
  - Management responsibilities & resources
  - Operational procedures, instructions & control
  - Complaints, internal audit & review, improvement
- QM-documentation/-manual

QM-system is meant to support the operational HACCP-plan
Important elements GMP+ FSA scheme

- EWS-system
- Traceability
- Monitoring
- Process control
- Chain approach
- Prerequisites
- Product standards

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<td>ISO</td>
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HACCP

HACCP fully incorporated
  • Preliminary steps
    • Establishing HACCP-team
    • Specification of product & production process
    • Establishing a prerequisite program
  • 7 principles of Codex
    1. Hazard analysis & establishing control measures
    2. Determination of critical control point (CCPs)
    3. Establishing critical limits
    4. Monitoring
    5. Corrective actions
    6. Verification
    7. Documentation
Important elements GMP+ FSA scheme

- EWS-system
- Traceability
- Monitoring
- Process control
- Chain approach
- Prerequisites
- Product standards

HACCP

ISO

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Product standards

GMP+ B1 ‘Production, trade and services’

GMP+ BA1 ‘Product standards’
In Appendix GMP+ BA1 are product standards for:
- Undesirable substances
  - Heavy metals
  - Pesticides
  - Microbiological substances
  - Dioxins and PCBs
  - Etc
- Residues from medicines
  - Antibiotics
  - Coccidiostats
  - Other feed medicines

Compliance with these standards → safe feed!!
Important elements GMP+ FSA scheme

- EWS-system
- Traceability
- Monitoring
- Process control
- Chain approach
- Prerequisites
- Product standards
- HACCP
- ISO
Prerequisites

To create a basic hygiene level in the company

Elements of a Prerequisite Programme (PRP)

- Education and Training
- Infrastructure, Buildings and Working Environment
- Facilities and Equipment
- Cleaning and Maintenance
- Pest Control
- Administration and registration
- Etc.
Almost all risks are controlled by control measures that are part of the PRP.

For some risks specific control measures are necessary.
Important elements GMP+ FSA scheme

- EWS-system
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- Process control
- Chain approach
- Prerequisites
- Product standards
- HACCP
- ISO
Chain approach

• GMP+ is chain system
• You can not control all hazards in the chain yourself
• Every link is responsible for feed safety
• ‘A chain is only as strong as its weakest link’

→ GMP+ has strict purchase requirements
Chain approach

For all products and services
- Specification of all products & services
- Selection of suppliers, based on HACCP risk assessment
- Verification of products & services
- Re-assessment of suppliers
- Supplier needs to be GMP+ certified

For some products:
- Purchase via gatekeeper options
  (example palm oil protocol)
Important elements GMP+ FSA scheme

- EWS-system
- Traceability
- Monitoring
- Process control
- Chain approach
- Prerequisites
- Product standards
- HACCP
- ISO
Process control

- Verification of incoming products
- Cleaning / sieving / filtering
- Drying and ventilating
- Dosing
- Weighing
- Mixing
- Storage
- Delivery
Important elements GMP+ FSA scheme

- EWS-system
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- Monitoring
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- Chain approach
- Prerequisites
- Product standards
- HACCP
- ISO

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Monitoring

• Each company must have a (HACCP-based) monitoring plan.

Laboratories:
• ISO 17025 accreditation or
• GMP+ B10 certification
Important elements GMP+ FSA scheme

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- HACCP
- ISO
Traceability & EWS system

Key to a good traceability is a good administration.
  • Internal traceability
  • External traceability

Information available within 4 hours
Product samples of each batch

• Recall
• Early Warning System
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Highlights

Monitoring - GMP+ BA4
In general: monitoring based on HACCP

Specific for oils and fats:
• Monitoring on dioxins en dioxinlike PCBs (EC 225/2012)
• In collaboration with GMP Ovocom
Highlights

Forbidden products - GMP+ BA3
In collaboration with GMP Ovocom

Various forbidden products from the fats and oils industry for example untreated deodestillates, used cooking oils from homes and restaurants, etc
Highlights

Palmoil protocol *updated in 2014*
Purchase of GMQ palmoil from non-GMP+ certified suppliers

GMP+ participant is responsible for the previous link(s) in the chain) → gatekeeper

New:
FFA analysis as an indicator for quality (max 8%)
Fact sheets in FSP

Knowledge

Library
Seminars
GMP+ Academy
Feed Support Products (FSP)

Fact sheets
Risk assessments
Product list
Product standards
Feed Support Products

Generic risk assessments in FSP

*update*

adjustment to names of new catalogue 68/2013
Publication during 2014
Feed Support Products

GMP+ Monitoring database

MY GMP+
My monitoring

Sample planning
Enter sample details
Add analysis results
Assessment
Share
Make reports
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Thank you for your attention!

Questions?