



# Producing Safe Feed with the GMP+ Feed Safety System



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1. Structure and standards
  - GMP+ B1 & GMP+ B2, B3 and B4
2. Important Elements
  - Product standards
  - Prerequisite programme
  - Purchase requirements
3. Certification
4. Final remarks



# Structure and standards

**A**

General documents

**B**

Normative documents ('standards')

**C**

Rules of Certification

**D**

Interpretations and guidances



# Structure and standards

Standards	GMP+ B1	GMP+ B2	GMP+ B3	GMP+ B4
Scopes				
Production compound feed	X			
Production premixes	X			
Production additives	X	X		
Production feed materials	X	X		
Trade & collection	X		X	
Storage & transhipment	X		X	
Transport & chartering	(X)			X



News

GMP+ FSA scheme

- Introduction
- A-documents
- B-documents
- C-documents
- D-documents
- Intended changes
- History documents
- Publications
- Join us
- Exemption

Companies

Transport Database

Feed Safety Database

### Introduction

The GMP+ Feed Safety Assurance scheme (GMP+ FSA) is a scheme for assuring feed safety in all the links in the feed chain. It is also an international scheme, applicable worldwide.

The establishment and development of the scheme was primarily the result of demand from the subsequent links in the animal production chain for better control of feed safety. Another contributory factor was the damage caused by more and less serious contamination incidents.

In the initial phase the demand arose for better differentiation in an increasingly saturated European sales market for animal products. Since 1999, feed & food safety has been a top issue internationally both politically and commercially, because of serious incidents in the feed sector. Because of this, demonstrable assurance of feed safety has become a sales prerequisite.

The basic principle of the GMP+ FSA scheme is that the feed chain is part of the whole animal production chain. Proper assurance of feed safety worldwide is a high priority. Companies must live up to their responsibilities and respond properly and convincingly to the needs of animal production. The GMP+ Feed Safety Assurance scheme is an aid to realise this.

GMP+ FSA has been developed since 1992. It was managed from 1992 up until 2009 by the Product Board Animal Feed, The Hague, The Netherlands. Since 2010, this scheme is managed by GMP+ International. The documents within the GMP+ FSA scheme are subdivided into a number of series. A description follows of these:

- A**  
General (framework) documents *These documents contain the requirements for participation in the certification scheme for companies and certification bodies (framework regulation, the use of logo's, etc.). This series also includes a general list of definitions and abbreviations.*

Home

Search

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#### News

18 January 2012  
GMP+ International publishes standard documents in Spanish

16 January 2012  
The GMP+ courses for 2012 are in!

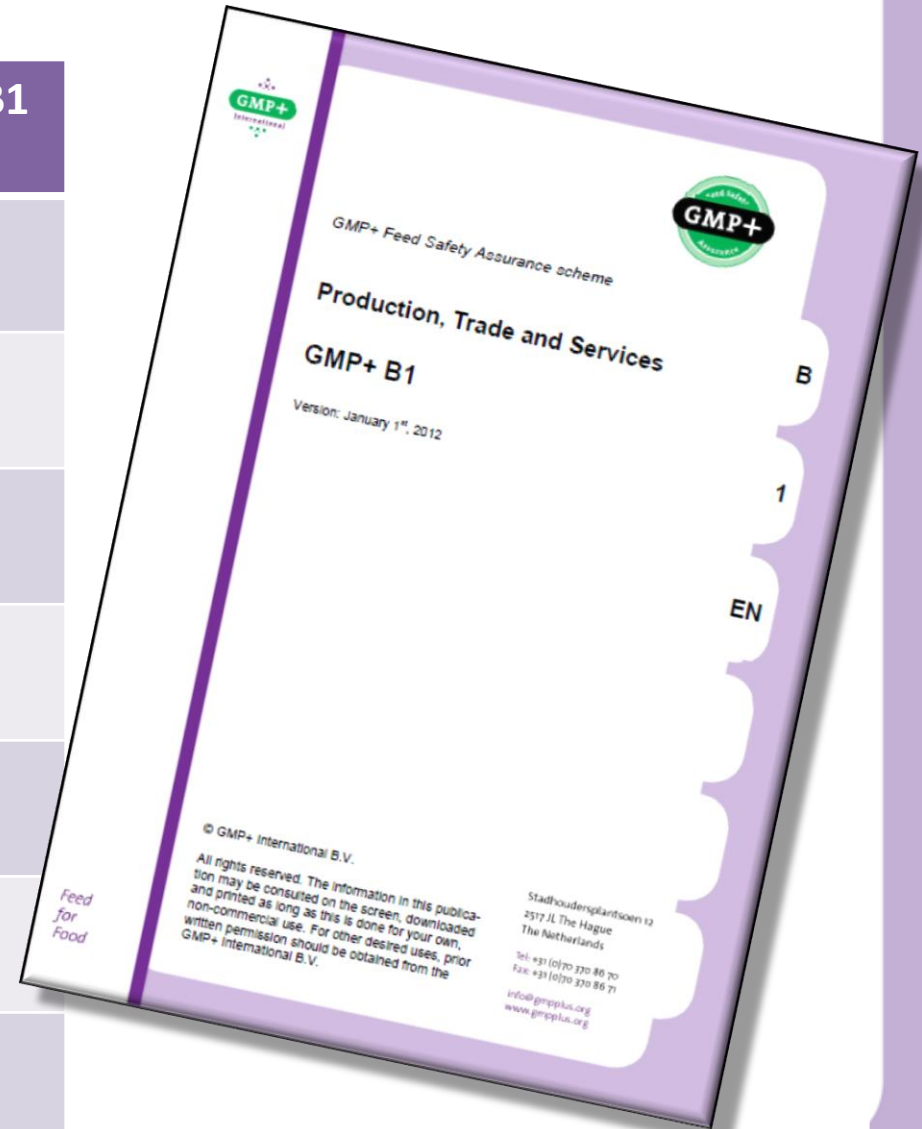
13 January 2012  
GMP+ seminar in Asia!





# Standard GMP+ B1

Standards	GMP+ B1
<b>Scopes</b>	
Production compound feed	X
Production premixes	X
Production additives	X
Production feed materials	X
Trade & collection	X
Storage & transshipment	X
Transport & chartering	(X)





# Standard GMP+ B1

- Structure is identical to ISO 9001/22000
- Where possible, same wording as ISO
- Easy to combine with ISO 9001 & 22000
- Covers all scopes,
  - but especially the production of compound feed & premixtures

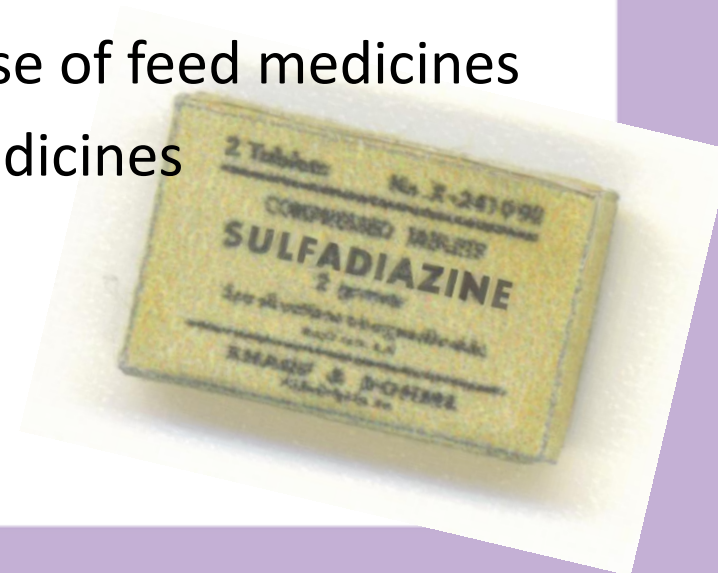




# Standard GMP+ B1

Specific attention for:

- Basic conditions ('prerequisites')
- Purchase & supplier control
- Verification of incoming products
- Dosing, Weighing, Mixing
  - Special attention for correct use of feed medicines
  - Control of residues of feed medicines
  - Control of hygiene
- Storage
- Delivery

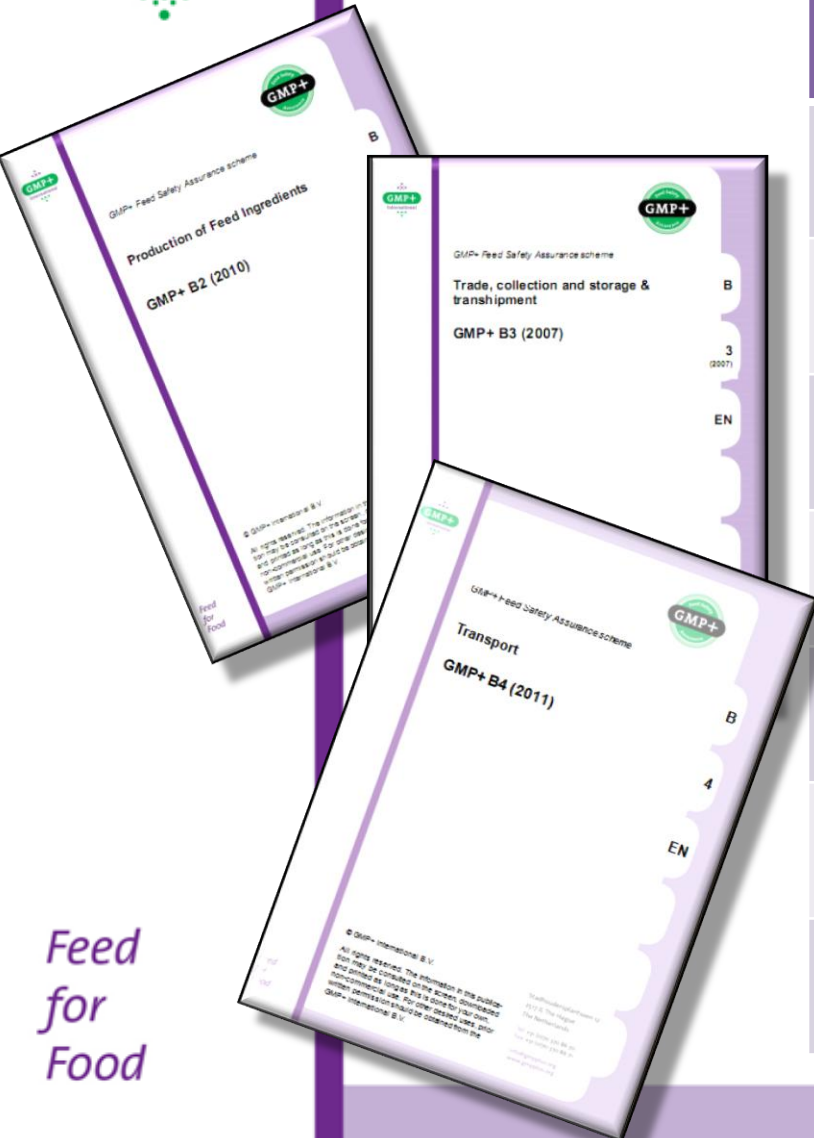




# Standard GMP+ B1

Chapter	Content of GMP+ B1
1	Introduction
2	Normative references
3	Terms and definitions
4	Feed safety system
5	Management responsibility
6	Management of resources ('prerequisites')
7	Process control (including HACCP)
8	Measurement, analysis and improvement

# Standard GMP+ B2, B3 and B4



Standards	GMP+ B2	GMP+ B3	GMP+ B4
Scopes			
Production compound feed			
Production premixes			
Production additives	X		
Production feed materials	X		
Trade & collection		X	
Storage & transhipment		X	
Transport & chartering			X



# Standards GMP+ B2, B3 & B4

- Each standard has a specific, limited scope
- Basic chapters are identical
  - QMS, HACCP, Prerequisites
- Identical structure, easy to combine
- Specific chapter for specific activities
- Use of words focused on target group
- Achieves equivalent level of safety assurance as when applying GMP+ B1

# Standard GMP+ B2, B3 and B4



Chapter	GMP+ B2	GMP+ B3	GMP+ B4
1	Introduction		
2	Normative references		
3	Terms and definitions		
4	Feed safety system		
5	Prerequisite programmes		
6	HACCP		
7	Control of operational activities for		
	Production	Trade/storage	Transport
8	Verification and improvement		



# Important elements

EWS-system

Traceability

Monitoring

Process control

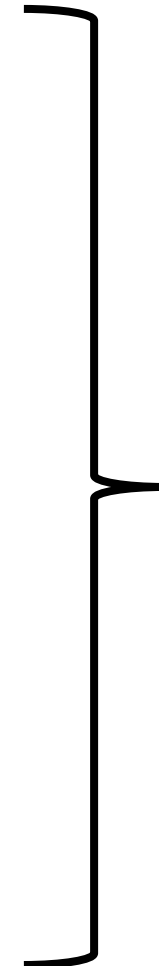
Chain approach

Prerequisites

Product standards

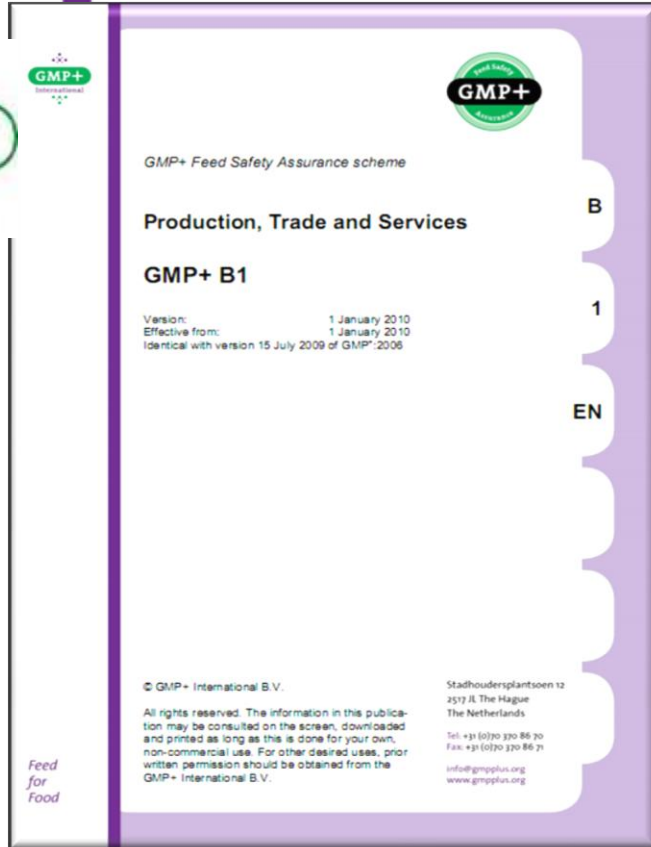
HACCP

ISO





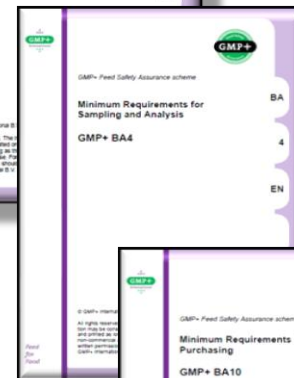
# Product standards



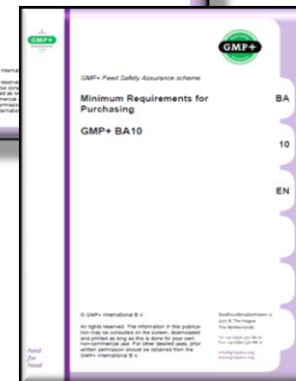
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**GMP+ BA1 'Product standards'**



**GMP+ BA4 'Inspection & analysis'**



**GMP+ BA10 'Purchase requirements'**

.... + some other

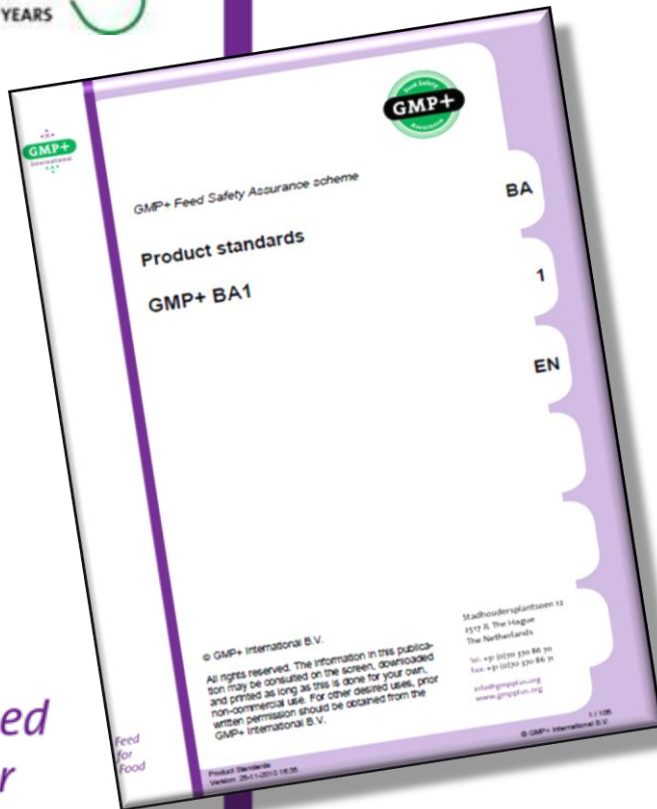
**GMP+ B1 'Production, trade and services'**



# 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



Feed  
for  
Food

Compliance with these standards → safe feed!!



# Important elements

EWS-system

Traceability

Monitoring

Process control

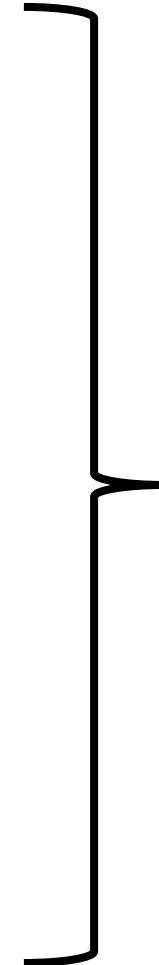
Chain approach

Prerequisites

Product standards

HACCP

ISO





# Prerequisites

## Requirements for Prerequisite Programme

- Codex: *‘Without a good prerequisite programme it is not possible to implement a HACCP-plan successfully’.*
- Precondition to apply HACCP successfully
- To create a basic hygiene level in the company



# Prerequisites

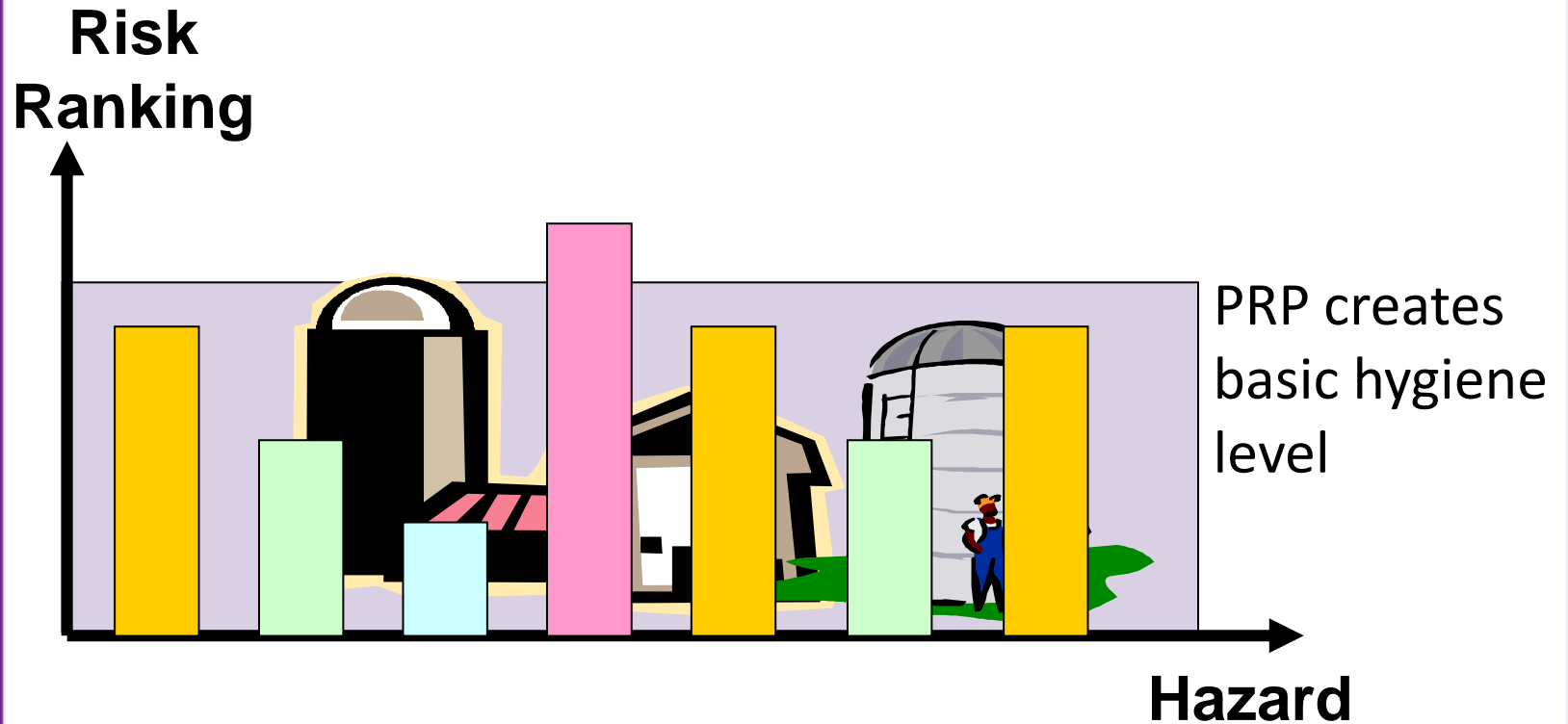
To create a basic hygiene level in the company

## 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.



# Prerequisites



- Almost all risks are controlled by control measures that are part of the PRP.
- For some risks specific control measures are necessary



# Important elements

EWS-system

Traceability

Monitoring

Process control

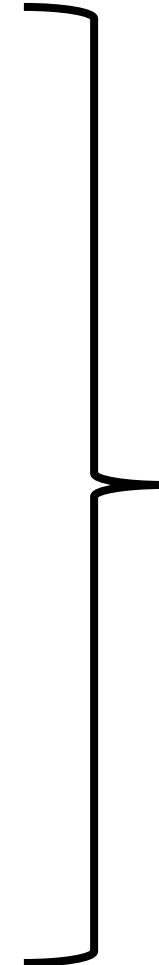
Chain approach

Prerequisites

Product standards

HACCP

ISO





# Purchase requirements

- Chain approach: shared responsibility
- 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





# Purchase requirements

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

For feed ingredients also

- Supplier needs to be GMP+ certified
- For regions with a 'low GMP+ density':
  - Special solutions!
  - Based on an individual system of supplier control

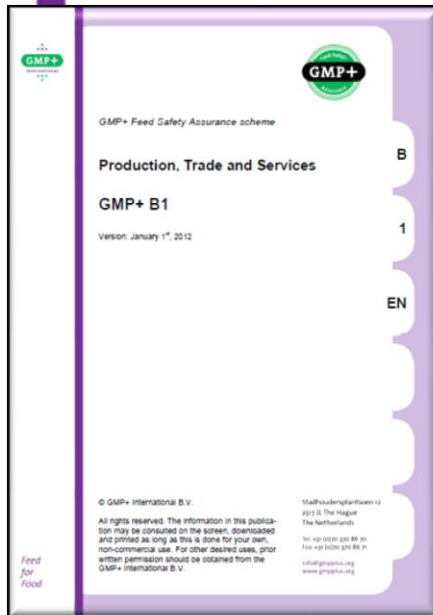


# Certification

- Only by approved Certification Bodies (CB's)
- According to GMP Rules of Certification
  - Skilled and competent auditors (training, exams)
  - Fixed checklist & audit report
  - Minimum audit time
  - Rules for assessment of nonconformities
  - Rules for suspension & withdrawal
  - Complaint procedure
- System for harmonization & supervision



# Certification



Implementing of the GMP+ system in the company

GMP+ manual

Search for CB

Contract with CB

Initial audit

OK?

GMP+ Certificate

Supervision audit (yearly)



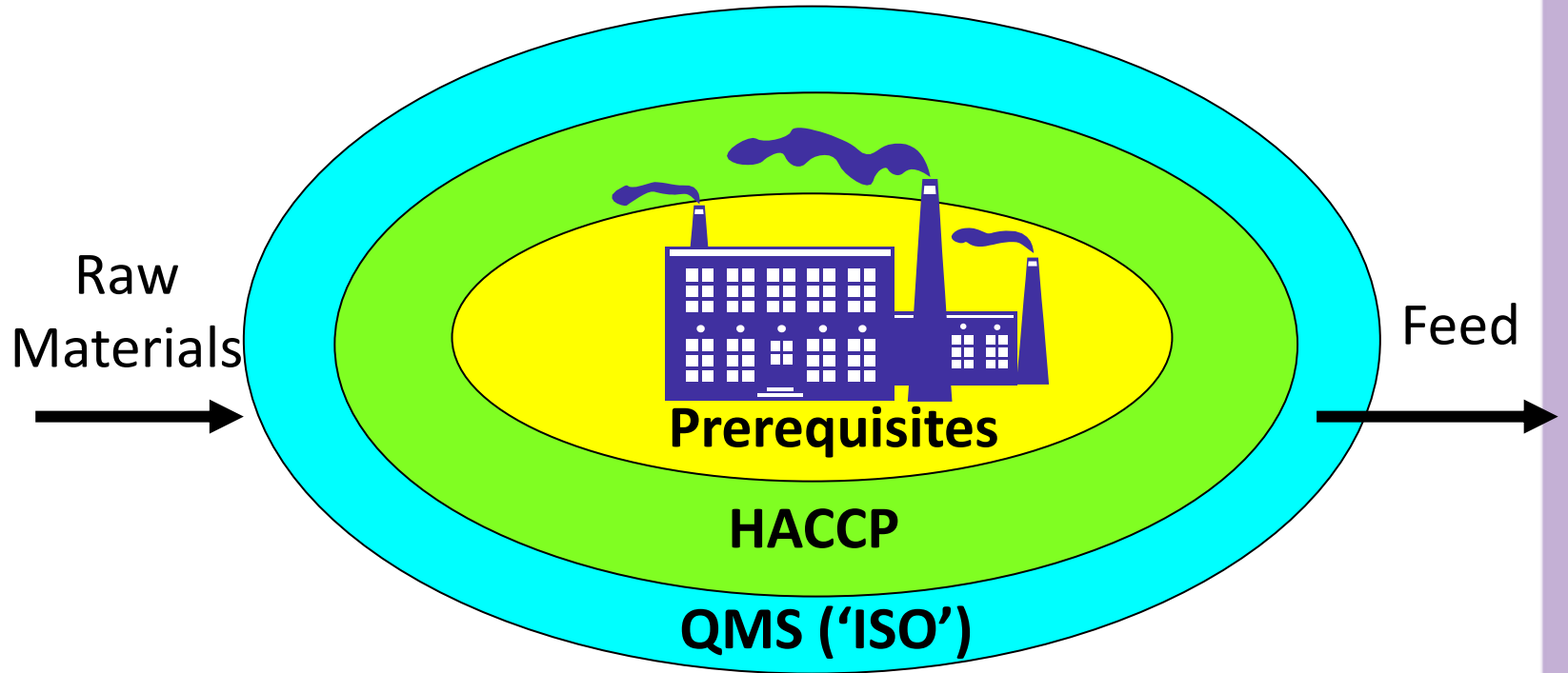
# Certification

## Costs:

- Implementing a Quality Management System
- Audit & certification by the Certification Body
- Annual fee to GMP+ International



# Final remarks





Thank you for your attention!

[www.gmppplus.org](http://www.gmppplus.org)

*Feed  
for  
Food*