



Technical Specifications

# TS1.2 - Purchase

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# 1. Introduction

The GMP+ Feed Certification scheme is based on a number of principles. An important principle is that feed companies, working together in a feed supply chain, have a shared responsibility to ensure that safe feed is delivered to livestock farmers. This shared responsibility is reflected in the purchase requirements. These requirements must be considered as a minimum.

## 2. Scope of this document

In addition to the requirements in the GMP+ documents, this document specifies:

- Which certification of a supplier of a feed or a feed services is accepted ([Chapter 3](#))
- Which so-called gatekeeping options can be applied for purchasing non-certified feed or feed services but also for non-feed products or non-feed services such as veterinary medicinal products, silo cleaning service and raw materials for soap stock splitting ([Chapter 4](#)).

### 3. Overview of GMP+ and Accepted certificates

The following tables provides for several feed products and feed services the GMP+ and accepted certifications, including – if applicable – additional requirements:

#### 3.1. Purchase of Compound feed and Semi-manufactured products

Accepted certificates - scopes	Additional requirements
GMP+ Production of compound feed GMP+ Trade in feed – compound feed	
FCA-BC-02 - MP, production of compound feed FCA-BC-03 - MH, trading of compound feed	
QS-certified producers of compound feed QS-certified traders QS-certified mobile feed milling and mixing plants	QS company must be listed in the <a href="#">GMP+ companies database, tabOther certification schemes</a>
UFAS Compound Feed UFAS Merchants - trading of compound feeds	
FAMI-QS - production of Complementary Feed FAMI-QS - production of Dietetic Feed FAMI-QS - trading of Complementary Feed FAMI-QS - trading of Dietetic Feed	FAMI-QS company must be listed with the scope Complementary Feed and / or Dietetic Feed.
OQUALIM-RCNA International - certified producers of compound feed OQUALIM-RCNA International - certified distributors / traders of compound feed	OQUALIM company must have the designation "RCNA International" specified on the certificate.
pastus+ - certified producers of compound feed pastus+ - certified traders of compound feed	pastus+ company must be listed in the <a href="#">GMP+ list of pastus+ participants</a> .

## 3.2. Purchase of premixtures

Accepted certificates - scopes	Additional requirements
GMP+ Production of premixtures GMP+ Trade in feed - premixtures	
FCA -BC-02 - VP, production of premixtures FCA -BC-03 - VH, trading of premixtures	
FAMI-QS - production of Mixtures FAMI-QS - trading of Mixtures	FAMI-QS company must be listed with the scope Mixtures (function).
QS-certified producers of premixtures QS-certified traders	QS company must be listed in the <a href="#">GMP+ companies database</a> , <a href="#">tabOther certification schemes</a>
UFAS Compound Feed UFAS Merchants - trading of premixtures	
OQUALIM-RCNA International - certified producers of premixtures OQUALIM-RCNA International - certified distributors / traders of premixtures	OQUALIM company must have the designation "RCNA International" specified on the certificate.

### 3.3. Purchase of feed additives

Accepted certificates - scopes	Additional requirements
GMP+ Production of feed additives GMP+ Trade in feed – feed additives	
FCA -BC-02 - TP, production of feed additives FCA -BC-03 - TH, trading of feed additives	
FAMI-QS - production of Ingredients FAMI-QS - trading of Ingredients	FAMI-QS company must be listed with the scope Ingredients (process). The purchased additives must be listed in this database as well.
UFAS Merchants - trading of feed ingredients FEMAS Core standard FEMAS Intermediate Supplier	
QS-certified producers of additives QS-certified traders	QS company must be listed in the <a href="#">GMP+ companies database</a> , <a href="#">tab Other certification schemes</a>
OQUALIM-RCNA International - certified distributors / traders of feed additives	OQUALIM company must be: <ul style="list-style-type: none"> <li>producer or distributor of compound feed or premixtures with the designation "RCNA International" specified on the certificate</li> </ul> or belongs to a group of companies of which at least one company is certified as above. <i>Note: The delivered feed additive must – of course - be produced by certified producer.</i>



## 3.4. Purchase of feed materials

### 3.4.1. General

Accepted certificates - scopes	Additional requirements
GMP+ Production of feed materials GMP+ Trade in feed – feed materials	
FCA -BC-02 - GP, production of feed materials FCA -BC-02 (VWP), production of by-products for reprocessing (company in food sector) FCA -BC-02 (GPVW), production of feed materials originating from by-products for reprocessing FCA -BC-03 - GH, trading of feed materials FCA -BC-03 (VWH), trade in of by-products for reprocessing	
QS-certified producers of feed materials QS-certified traders	<ul style="list-style-type: none"> <li>QS company must be listed in the <a href="#">GMP+ companies database, tab Other certification schemes</a>.</li> </ul> <p>As an exception to the requirement that a generic risk assessment for the feed material is included in the TS1.3 <i>Product list</i>, purchasing a feed material from a QS certified company is also allowed when this feed materials is included in the <a href="#">QS-Liste der Einzelfuttermittel</a></p>
FEMAS Core standard FEMAS Intermediate Supplier UFAS Merchants - trading of feed ingredients	
FAMI-QS - production of Ingredients FAMI-QS - trading of Ingredients	<ul style="list-style-type: none"> <li>FAMI-QS company must be listed with the scope Ingredients (process). The purchased feed materials must be listed in this database as well.</li> <li>These feed materials must be included in the TS1.3 <i>Product list</i></li> </ul>
EFISC-GTP <ul style="list-style-type: none"> <li>Products of the oilseeds crushing and vegetable oil refining industry</li> <li>Products of the starch industry</li> <li>Products of the malt production</li> <li>Glycerin (crude and refined) from production of biodiesel</li> <li>Trade/collection of feed materials of vegetable origin</li> </ul>	
pastus+ -certified producers of feed materials pastus+ -certified traders of feed materials	pastus+ company must be listed in the <a href="#">GMP+ list of pastus+ participants</a> .
OQUALIM-RCNA International - certified distributors / traders of feed materials	OQUALIM company must be: <ul style="list-style-type: none"> <li>producer or distributor of compound feed or premixtures with the designation "RCNA International" specified on the certificate..</li> </ul>

Accepted certificates - scopes	Additional requirements
	<ul style="list-style-type: none"> <li>or belongs to a group of companies of which at least one company is certified as above. <i>Note: The delivered feed material must – of course - be produced by the certified producer</i></li> </ul>
CSA-GTP- certified collectors (trade and storage & transshipment)	For the following products: unprocessed French cereals, oilseeds and protein crops (grains) intended to be used as feed.

### 3.4.2. Purchase of feed materials from companies with specific certificates

Some feed materials can also be purchased from a company with a specific certificate:	
Feed materials	Approved certificates / special requirements
Combinable crops (grains, (oil-)seeds and legumes)	TASCC Merchants (trading of whole unprocessed combinable crops for food and feed use)
	QS- Guideline Service Package for agriculture production QS company must be listed in the <a href="#">GMP+ companies database, tab Other certification schemes</a> .
Bakery by-products	Certification under the 'Hygiene Code voor Brood en Banketbakkerij' incl. Diervoedermodule (Nederlands Bakkerij Centrum/ISACert)
Graded consumption potatoes	Certification under the 'Hygiene Code voor ongeschilde (zoete) aardappelen' and with a designation 'HACCP + GMP' (Nederlandse Aardappel Organisatie; NAO)
Whey from farmers	Certification under 'Hygienecode voor de Boerderijzuivelbereiding'(inclusief bijlage 7). The farmer must be listed as such on the <a href="https://boerderijzuivel.nl/keurmerken/gmp-weiafvoer">https://boerderijzuivel.nl/keurmerken/gmp-weiafvoer</a>
Dairy products	The product must be supplied under <a href="#">Reg. (EC) 853/2004</a>

### 3.5. Purchase of Storage and Transshipment

Accepted certificates -scopes	Additional requirements
GMP+ Storage and transshipment of feed	
FCA -BC-04 – OO storage and transshipment of animal feed	
TASCC Storage	
EFISC-GTP - storage of feed materials of vegetable origin.	
QS-certified companies - storage and transshipment	QS company must be listed in the <a href="#">GMP+ companies database, tab Other certification schemes</a>
pastus+ -certified companies - storage and transshipment	pastus+ company must be listed in the <a href="#">GMP+ list of pastus+ participants</a> .
<p><i>Note: Storage of packaged goods does not necessarily have to be bought from a GMP+ certified service provider. See for more information <a href="#">GMP+ companies database, tab Other certification schemes</a>.</i></p>	

### 3.6. Purchase of transport

Accepted certificates and scopes	Additional requirements
GMP+ Road transport of feed GMP+ Inland waterway transport of feed	
FCA -BC-05 - TVWE, road transport of animal feed FCA -BC-08 - Hygiene Code for inland waterway transport	
TASCC Road Haulage - road transport	Transport, which is subcontracted by a TASCC Road Haulage transport company is not accepted
Qualimat - road transport	
QS-certified companies -road transport	QS company must be listed in the <a href="#">GMP+ companies database, tab Other certification schemes</a>
EFISC-GTP transport of feed materials of vegetable origin	Only accepted in combination with EFISC-GTP trade scope.
pastus+ -certified companies -road transport	pastus+ company must listed in the <a href="#">GMP+ list of pastus+ participants</a> .
CSA-GTP- certified companies – road transport	<ul style="list-style-type: none"> <li>• Only accepted in combination with CSA-GTP collection scope.</li> <li>• For the following products: unprocessed French cereals, oilseeds and protein crops (grains) intended to be used as feed.</li> </ul>
<p><i>Note 1: Above-mentioned requirements also apply for the purchase of traction units.</i></p> <p><i>Note 2: An external transport company does not have to be GMP+-certified or equivalent in the event of:</i></p> <ul style="list-style-type: none"> <li>• <i>Transport of packaged feed under the condition that the GMP+ certified producer or trader is responsible for checking the cleanliness of the loading compartment.</i></li> <li>• <i>Transport of sealed loading compartments (see F0.2 for definition) under the conditions that the external transport company:</i> <ul style="list-style-type: none"> <li>◦ <i>does not own neither manage the respective loading compartments</i></li> <li>◦ <i>has no influence on the GMP+ status of the transported feed.</i></li> <li>◦ <i>may not use its own loading / unloading equipment (pipes, hoses etc.) unless the GMP+ certified principal allows so.</i></li> </ul> </li> </ul> <p><i>The GMP+ certified producer or trader is responsible for sealing the loading compartment.</i></p> <ul style="list-style-type: none"> <li>• <i>Transport by rail (using wagons)</i></li> </ul>	

### 3.7. Purchase of affreightment

Accepted certificates - scopes	Additional requirements
GMP+ Affreightment of inland waterway transport GMP+ Affreightment of short sea shipping GMP+ Affreightment of road transport GMP+ Affreightment of rail transport GMP+ Affreightment of sea transport	
FCA -BC-07 - TVM, Chartering of animal feed via marine transport	
FCA -BC-06 - TVWA, Chartering of animal feed via inland waterway	
FCA -BC-09 - TVOR, Transport organisation of feed or by rail	
QS-certified companies with scope affreightment of rail, inland waterway and sea ship transport	QS company must be listed in the <a href="#">GMP+ companies database, tab Other certification schemes</a>
<p><i>Note: An external freight broker does not have to be GMP+-certified or equivalent in the event of:</i></p> <ul style="list-style-type: none"> <li>• <i>Affreightment of road transport</i></li> <li>• <i>Affreightment of packaged products (including sealed loading units)</i></li> <li>• <i>Affreightment of oils and fats and derived products for direct processing in feed when the transport demonstrably takes place under a FOSFA contract and where the EU 1 list of acceptable previous loads is used as compulsory.</i></li> </ul>	

### 3.8. Purchase of laboratory services

If measurement and monitoring take place by way of an analysis, the GMP+ certified company must ensure this is done by a laboratory approved for this under the GMP+ FSA module. The table below shows which qualifications are approved for which analysis.

Analysis	Accepted certificates - scopes	Additional requirements
<p>A) Critical contaminants:</p> <ul style="list-style-type: none"> <li>• Aflatoxin B1</li> <li>• Dioxin</li> <li>• Dioxin-like PCBs</li> <li>• Non-dioxin-like PCBs</li> <li>• Heavy metals               <ul style="list-style-type: none"> <li>◦ Cadmium</li> <li>◦ Arsenic</li> <li>◦ Lead</li> <li>◦ Mercury *</li> </ul> </li> <li>• Fluorine *</li> <li>• Pesticides</li> </ul> <p>* The analysis of these parameters in feed additives and premixtures must be done by a laboratory with an independently verified quality management system as included under B) Other contaminants.</p>	An independently verified quality management system as included under B) supplemented by GMP+ Registered Laboratory	<ul style="list-style-type: none"> <li>• As long as the GMP+ Registered Laboratory is registered for the analysis in question.</li> <li>• The use of GMP+ Registered Laboratories is compulsory</li> </ul>
B) Other contaminants	GMP+ Laboratory testing	The concerning analysis must be under the scope of the certified laboratory certificate
	ISO17025 accredited laboratory for the analysis in question	
	ISO17025 accredited laboratory for another analysis than the one in question	Only if the GMP+ certified company can motivate why it is not possible to make use of a laboratory which is ISO17025 accredited for the analysis in question. This motivation must be retained as documented information.
	TASCC Facilities Testing	

### 3.9. Purchase of other services

Services	Accepted certificates - scopes
Production or processing on a contract basis (third party/ subcontractor)	GMP+ Production of feed materials GMP+ Production of feed additives GMP+ Production of premixtures GMP+ Production of compound feed
	Certificate with the corresponding scope from other, accepted certification schemes



## 4. Gatekeeper options

### 4.1. General gatekeeper requirements

Gatekeeping means that the GMP+ certified company purchases a feed or a feed service, which is not covered under the scope of either a GMP+ certification or another, accepted feed safety certification.

The gatekeeper takes responsibility for the safety of the feed or feed service which will be brought into the GMP+ chain.

#### Helpful tip:

In this chapter the GMP+ certified company will be indicated with the word "gatekeeper".

- a. The gatekeeper must consistently provide products and services that:
  - are safe for use in or as feed, and;
  - comply with the relevant GMP+ requirements;
  - comply with the relevant feed legislation.
  
- b. The gatekeeper must carry out a hazard analysis in compliance with the HACCP principles, as laid down in the relevant GMP+ standards. This hazard analysis must include all operations and activities, from original production up to delivery, and must result in addressing and controlling all hazards related to the:
  - specific feed product concerned;
  - production process of this feed product;
  - other operations and activities like storage and transport.
  
- c. Some gatekeeper protocols require the GMP+ company to notify both the Certification Body and GMP+ International. For details see the specific gatekeeper protocols.
  
- d. If the gatekeeper transfers responsibilities with regard to the application of the gatekeeper protocol to the supplier, this must be clearly agreed and stated, for example in the contract.

#### 4.1.1. Sharing analysis results

The gatekeeper must include the results of analysis, carried out in the context of gatekeeping, at least once per month in the GMP+ Monitoring database. Results from the analysis must be shared with the GMP+ Community in the GMP+ Monitoring database.

The gatekeeper who makes use of analysis results from a non-certified supplier must ensure that the analysis is carried out by a laboratory approved for this under the GMP+ FSA module. [See § 3.8.](#)

## 4.2. Feed products and Services which cannot be purchased under a gatekeeper protocol

It is not possible to act as a gatekeeper for the purchase of the following feed products:

- Compound feed
- Premixtures
- Specific by-products from the oil- and fat industry:

[Regulation \(EU\) no. 68/2013](#), including amendments to this regulation.

Number	Name
13.6.1	Acid oils from chemical refining
13.6.2 <sup>1</sup>	Fatty acids esterified with glycerol
13.6.3 <sup>1</sup>	Mono di and tri glycerides of fatty acids
13.6.4 <sup>1</sup>	Salts of fatty acids
13.6.5	Fatty acid distillates from physical refining
13.6.6 <sup>2</sup>	Crude fatty acids
13.6.7 <sup>2</sup>	Pure distilled fatty acids
13.6.9 <sup>1</sup>	Mono- and diglycerides of fatty acids esterified with organic acids
13.6.10 <sup>1</sup>	Sucrose esters of fatty acids
13.6.11 <sup>1</sup>	Sucroglycerides of fatty acids
13.11.2 <sup>1</sup>	Mono-esters of propylene glycol and fatty acids

1. It is possible to act as a gatekeeper if this product is only produced with/ derived from 13.6.6 or 13.6.7 produced by splitting of vegetable oil (2.20.1).

2. It is possible to act as a gatekeeper if this product is produced by splitting of vegetable oil (2.20.1).

### 4.3. Gatekeeper requirements for Purchase of specific feed ingredients

This chapter provides specific gatekeeping requirements for purchasing specific feed products from non-GMP+ or equivalent origins.

#### 4.3.1. Purchase of unprocessed agricultural products from grower to use in or as feed

Scope of application							
Feed product	Unprocessed agricultural products, including hay and straw, from grower Hay and straw, from grower-collector <sup>3</sup>						
Origin	All countries						
Applied by	GMP+ certified company with a production or trade scope.						
Applicable until	No time limit						
Requirements for the gatekeeper							
General	See <a href="#">§ 4.1</a>						
Specific conditions	<ul style="list-style-type: none"> <li>If transport is organized by the grower / grower-collector and immediately following the harvesting, and as a part of assignment "harvesting including transport to the storage" then transport does not need to be GMP+-certified or equivalent.</li> <li>If storage and/or transport is organized by the gatekeeper, then the applicable purchase requirements laid down in <a href="#">§ 3.5</a>, <a href="#">3.6</a>, <a href="#">4.4.1</a> and or/ <a href="#">4.4.3</a> on TS1.2 must be followed.</li> <li>There must be a quality assurance agreement between the gatekeeper and the grower / grower-collector. See for an example support document S9.10 <i>Common daily practice company documents</i>.</li> </ul>						
Supplier evaluation	<table border="1"> <tr> <td>a. Hazard analysis</td> <td>Yes</td> </tr> <tr> <td colspan="2"><i>Note: The results of the benchmark of the certification schemes for growers can be used as input. See the <a href="#">GMP+ website / Collaborations / Growers schemes</a>.</i></td> </tr> <tr> <td>b. Supplier audit</td> <td>Recommended</td> </tr> </table>	a. Hazard analysis	Yes	<i>Note: The results of the benchmark of the certification schemes for growers can be used as input. See the <a href="#">GMP+ website / Collaborations / Growers schemes</a>.</i>		b. Supplier audit	Recommended
a. Hazard analysis	Yes						
<i>Note: The results of the benchmark of the certification schemes for growers can be used as input. See the <a href="#">GMP+ website / Collaborations / Growers schemes</a>.</i>							
b. Supplier audit	Recommended						

<sup>3</sup> A grower-collector is defined as a grower with own harvest equipment and own storage facilities, who collects hay/straw from a group of nearby located growers.

	c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> . <i>For batch definition see F0.2 Definition list.</i>
	d. Testing	Based on HACCP <sup>4</sup>
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• name and address details of the grower/collector from whom products are purchased.</li> <li>• the purchased batches of unprocessed agricultural products, including hay and straw</li> <li>• results of analysis</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	
<b>Notification about application of this protocol</b>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	No	

4. Note that requirements from Aflatoxin B1 protocol must be fulfilled as well.

### 4.3.2. Purchase of unprocessed Grains, (Oil) Seeds and Legumes out of a collect chain

Scope of application		
Feed product	Unprocessed grains, (oil)seeds and legumes (from collector)  <i>Note that conditions for purchasing from growers are laid down in <a href="#">§ 4.3.1</a>.</i>	
Origin	The unprocessed grains, (oil)seeds and legumes are grown outside of countries listed below	
	<table border="0"> <tr> <td> <ul style="list-style-type: none"> <li>• Austria</li> <li>• Belgium</li> <li>• Canada</li> <li>• Denmark</li> <li>• France</li> <li>• Germany</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>• Greece</li> <li>• Ireland</li> <li>• Luxembourg</li> <li>• The Netherlands</li> <li>• United Kingdom</li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>• Austria</li> <li>• Belgium</li> <li>• Canada</li> <li>• Denmark</li> <li>• France</li> <li>• Germany</li> </ul>
<ul style="list-style-type: none"> <li>• Austria</li> <li>• Belgium</li> <li>• Canada</li> <li>• Denmark</li> <li>• France</li> <li>• Germany</li> </ul>	<ul style="list-style-type: none"> <li>• Greece</li> <li>• Ireland</li> <li>• Luxembourg</li> <li>• The Netherlands</li> <li>• United Kingdom</li> </ul>	
	Intervention grain from any EU country	
Applied by	GMP+ certified company with a production or trade scope.	
Applicable until	No time limit	
Requirements for the gatekeeper		
General	See <a href="#">§ 4.1</a>	
Specific conditions	If the GMP+ certified company purchases a batch of feed materials from a non-GMP+ certified company and sells this on FOB to a GMP+ certified client, then this client must comply with the requirements from this protocol.	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Recommended
	c. Sampling	See below
	a. Testing	See below
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• name and address details of the producer/collector from whom products are purchased.</li> <li>• the purchased batches of unprocessed grains, (oil)seeds or legumes</li> <li>• results of analysis</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	

Sampling and testing	
<p><b>Sampling</b></p> <ul style="list-style-type: none"> <li>In accordance with the requirements as described in document TS1.6 <i>Sampling</i>. For batch definition see F0.2 <i>Definition list</i>.</li> <li>In the event of transport by ship or train or in storage, sampling must be carried out by an independent Control Organisation (CO) accredited according to the latest version of ISO 17020 with sampling included in the scope of accreditation.</li> </ul> <p><b>Testing</b></p> <ul style="list-style-type: none"> <li>Each batch must at least be analysed for the contaminants listed below. If the hazard analysis shows that other contaminants deserve attention then these must be analysed as well.</li> <li>If small batches are received, the respective volumes may be added up and testing must be performed at least on units of 500 tons each.</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li><i>An approved batch must be kept segregated from other batches, unless these are also tested/approved or already GMP+ assured</i></li> <li><i>From the moment of sampling/testing, the batch is considered as GMP+ assured. Gatekeeper must from that point on ensure compliance with all GMP+ storage/transport requirements until the moment of delivery</i></li> <li><i>In case no representative sample has been taken on the level of the seagoing vessel or no analysis results are available, products stored in different silos can no longer be considered as one single batch.</i></li> </ul>	
Parameter	Remark
Pesticide residues	The screening must cover all relevant pesticides based on information about: <ul style="list-style-type: none"> <li>locally used pesticides</li> <li>local legislation about applicable pesticides</li> <li>RASFF- notifications</li> <li>Other relevant information</li> </ul>
Mycotoxins :	
Aflatoxin B1 <sup>5</sup>	At least applicable to maize
Deoxynivalenol (DON)	At least applicable to all cereals
Zearalenon (ZEA)	At least applicable to all cereals and soy beans
Ochratoxin A (OTA)	At least applicable to all cereals
Heavy metals : <ul style="list-style-type: none"> <li>Arsenic</li> <li>Lead</li> <li>Mercury</li> <li>Cadmium</li> </ul>	
<ul style="list-style-type: none"> <li>Dioxins</li> <li>Sum of dioxins and dioxin-like PCB's</li> <li>ndl PCB</li> <li>PAH's</li> </ul>	In case the product is not dried or in case the gatekeeper has documented information that in the drying process: <ul style="list-style-type: none"> <li>no combustion is involved, or</li> <li>natural gas is used, or</li> <li>indirect drying is applied,</li> </ul>

5. Note: Besides batch by batch monitoring, the overall requirements from Aflatoxin B1 protocol must be fulfilled

	the 100% monitoring can be reduced (in accordance with HACCP principles as laid down in GMP+ standard).
Hydrocyanic acid	Only applicable for linseed
Salmonella	
Free gossypol	Cottonseed
<b>Notification about application of this protocol</b>	
Notification to the Certification Body	Yes
Notification to GMP+ International	Yes, before starting using this protocol, via this <a href="#">LINK</a> .  GMP+ International must be notified each time when this gatekeeper protocol will be used in another country of origin.

### 4.3.3. Purchase of Additives, Foodstuffs, Pharma products, herbs and spices

Scope of application	
Product	<p>Additives, herbs and spices should be approved for use in feed:</p> <ul style="list-style-type: none"> <li>in case the gatekeeper is a producer: in the country in which the gatekeeper is located;</li> <li>in case the gatekeeper is a trader: in the country where the feed additive is placed on the market.</li> </ul> <p><i>See F0.2 Definition list for the definition of feed additives.</i></p>
	<p>Foodstuffs, produced under:</p> <ul style="list-style-type: none"> <li>a GFSI-recognized food safety scheme or</li> <li>a by the national authority approved Code of Practice.</li> </ul> <p><i>See F0.2 Definition list for the definition of foodstuffs</i>  <i>Note: The foodstuff does not have to be included in the TS1.3 Product List.</i>  <i>See also § 3.4.2 for purchase of dairy foodstuffs</i></p>
	<p>Pharma product, produced under European Pharmacopoeia Reference Standards or equivalent.</p> <p><i>Excluded from this scope are:</i></p> <ul style="list-style-type: none"> <li><i>by-products from the food industry and raw materials for production of foodstuff</i></li> </ul>
Origin	All countries
Applied by	GMP+ certified company with a production or trade scope.
Applicable until	No time limit
Requirements for the gatekeeper	
General	<p>See <a href="#">§ 4.1</a></p> <p><i>Note: when using this protocol it is not necessary to include the results of analysis in the GMP+ Monitoring database.</i></p>
Specific conditions	<p>Purchased additives must be food, feed or pharma grade.</p> <p>When using these products in feed, special feed legislation might be applicable (for example labelling).</p> <p>In case of purchase of foodstuff or food additives, the gatekeeper must investigate if and how the product can be used in feed and what feed legislation is applicable.</p>



Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Recommended
	c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> . <i>For batch definition see F 0.2 Definition list</i>
	d. Testing	Based on HACCP
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• the raw materials, production methods, process flow and environment from which the product is derived, to be able to complete the risk assessment for each product</li> <li>• name and address data of the producer</li> <li>• purchased product</li> <li>• results of analysis</li> <li>• other relevant information</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	
<b>Notification about application of this protocol</b>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time when this gatekeeper protocol will be used for a new combination of producer and product.</p>	

### 4.3.4. Purchase of former foodstuffs

Scope of application	
Feed product	<ul style="list-style-type: none"> <li>Former foodstuff (intended for use as feed)</li> <li>Foodstuffs, <u>not</u> produced under:               <ul style="list-style-type: none"> <li>a GFSI-recognized food safety scheme or</li> <li>a by the national authority approved Code of Practice</li> </ul> </li> </ul> <p>See F0.2 Definition list for the definition of former foodstuffs.</p> <p><i>Excluded from the scope:</i></p> <ul style="list-style-type: none"> <li>By-products originating from the food industry (e.g. beet pulp, brewers' grain, etc) and manufactured for animal feed</li> <li>Raw material for foodstuff</li> </ul>
Origin	<p>All countries</p> <p>Purchased directly from a food company, which has at least a written HACCP plan. This HACCP plan:</p> <ul style="list-style-type: none"> <li>is based on HACCP principles, and</li> <li>includes the control of hazards related to the former foodstuff that is being delivered.</li> </ul> <p>Purchased from an intermediate food trader<sup>6</sup> is allowed, if:</p> <ul style="list-style-type: none"> <li>the trader only purchases and subsequently sells the former foodstuff, and</li> <li>the supplier audit is carried out at the food company where the food becomes former foodstuff, and</li> <li>all necessary information about the former foodstuff is obtained directly from the food company.</li> </ul>
Applied by	<p>GMP+ certified company with a production or trade scope.</p> <p>Under the scope 'Trade' the product can only be sold one step further down the chain to:</p> <ul style="list-style-type: none"> <li>a company with a production scope, or</li> <li>directly to the livestock farmer.</li> </ul> <p>Relevant information must be provided. See also 'Specific Conditions'.</p>
Applicable until	No time limit
Requirements for the gatekeeper	
General	See <a href="#">§ 4.1</a>
Specific conditions	<ul style="list-style-type: none"> <li>The gatekeeper must make a clear and unambiguous agreement with the supplier about:               <ul style="list-style-type: none"> <li>compliance with relevant requirements of this gatekeeper protocol</li> <li>the responsibility of the supplier and the gatekeeper regarding the purchased product or service</li> <li>exchange of relevant information</li> <li>any other issue, relevant for assuring the safety of the feed.</li> </ul> </li> </ul>

6. Intermediate food trader is often a sales office of a food producer or is selling foodstuffs on behalf of a food producer.

- The gatekeeper purchasing former foodstuff that is not yet suitable as feed material must first process the product into a feed material. A validated treatment or cleaning must be performed to remove physical contaminants (e.g. glass, plastic, metal) before the former foodstuffs can become intended for feed. The treatment or cleaning must be in accordance with scheme requirements.
- Resell of former foodstuff that has to receive a validated treatment or cleaning to remove physical contaminants (e.g. glass, plastic, metal) before becoming suitable for feed is possible under the next conditions:
  - Under the scope Trade;
  - To a company with a Production scope for further processing into a feed material;
  - Under a clear agreement that gives guarantees about
    - the responsibilities for buying according to the requirement of this protocol, and about
    - correct processing into a feed material
  - All relevant information about the necessary processing of the former foodstuff into a feed material must be provided (=the former foodstuff is accompanied with the FSDS and all the necessary information in accordance with the requirements as laid down in [Annex VIII of Regulation \(EC\) No. 767/2009](#));
  - The processor of the former foodstuff must be involved in the supplier audit.
- Resell of former foodstuff that does not have to receive a validated treatment or cleaning to remove physical contaminants (e.g. glass, plastic, metal) before becoming suitable for feed is possible directly to the livestock farmer.
- GMP+ International reserves the right to accompany the gatekeeper during a supplier audit.

Supplier evaluation	a. Hazard analysis	Yes  As a part of the supplier evaluation documented information of risk assessment must be available. See for an example support document S9.10 <i>Common daily practice company documents</i> .
	b. Supplier audit	Yes <ul style="list-style-type: none"> <li>• Before initial delivery, and further each year</li> <li>• To be conducted by a qualified person. See for this the GMP+ standard</li> </ul>
	c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> <i>For batch definition see F0.2 Definition list.</i>

	d. Testing	Based on HACCP
Retain as documented information	<p>Documented information related to the application of this protocol must be retained. This includes the above-mentioned FSDS.</p> <p>This information must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	
<b>Notification about application of this protocol</b>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time when this gatekeeper protocol will be used for a new combination of producer and product.</p>	

### 4.3.5. Purchase of palm oil

Scope of application		
Feed product	Crude, refined and/or fractioned palm(kernel) oil, as defined under no. 2.20.1 on the <a href="#">EU Feed Catalogue 68/2013</a> (including amendments to this regulation)	
Origin	All countries	
Applied by	GMP+ certified company with a production or trade scope.	
Applicable until	No time limit	
Requirements for the gatekeeper		
General	See <a href="#">§ 4.1</a>	
Specific conditions	<p>The GMP+ certified company purchases above mentioned products based on FOSFA contracts 53, 54, 80 or 81. These are based on application of the manual "FOSFA qualifications and procedures for vessels engaged in the carriage of oils and fats in bulk for edible and oleo chemical use"</p> <p>The following documented information as stipulated in the FOSFA contracts that must be available:</p> <ul style="list-style-type: none"> <li>• FOSFA (short form) contract</li> <li>• Bill of Lading</li> <li>• FOSFA Certificate of Compliance, Cleanliness and Suitability of Ship's Tank</li> <li>• Certificate of Analysis with FFA, both at time of shipment and in port of arrival, in country of destination</li> </ul>	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Recommended
	c. Sampling	<p>Each batch in accordance with the requirements as described in document TS1.6 Sampling. <i>For batch definition see F0.2 Definition list.</i></p> <p>Sampling in accordance with NEN-EN-ISO method 5555 by a FOSFA Member Superintendent</p>
	d. Testing	See below
Retain as documented information	<p>The gatekeeper must retain as documented information per palm oil mill location:</p> <ul style="list-style-type: none"> <li>• The name, address, etc.</li> <li>• The processes carried out</li> <li>• The oil products produced</li> </ul> <p>Further, from every batch received the following documented information must be retained:</p> <ul style="list-style-type: none"> <li>• The volume</li> <li>• The sea vessel</li> <li>• FFA at port of loading</li> <li>• FFA at port of arrival</li> </ul>	

<p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>		
<p><b>Sampling and testing</b></p>		
<p><u>Testing</u></p> <p>The samples must in any event be analysed for the parameters and with the frequency which are summarised below. If the hazard analysis shows that other parameters deserve attention then these must be analysed as well.</p>		
Parameter	Frequency	Remark
Free Fatty Acids (FFA)	Each batch	Acceptance limit: <ul style="list-style-type: none"> <li>When FOB in port of loading max 7 %</li> <li>When CIF in port of arrival max 10%</li> </ul>
Pesticide residues	Every six months	Rejection limit: consult TS1.5 <i>Specific feed safety limits</i> .  Pesticide screening The screening must be based on information about: <ul style="list-style-type: none"> <li>locally used pesticides</li> <li>local legislation about applicable pesticides</li> <li>RASFF- notifications</li> <li>Other relevant information</li> </ul>
Heavy metals : <ul style="list-style-type: none"> <li>Arsenic</li> <li>Lead</li> <li>Mercury</li> <li>Cadmium</li> </ul>	On the basis of a hazard analysis but at least once per 12 months	Rejection limit: consult TS1.5 <i>Specific feed safety limits</i>
Dioxins	Once in three months, varied origins	Rejection limit: consult TS1.5 <i>Specific feed safety limits</i>
Sum of dioxins and dioxin-like PCB's	Once in three months, varied origins	Rejection limit: consult TS1.5 <i>Specific feed safety limits</i>
Mineral oil hydrocarbons (C10-C40)	Each batch	Rejection limit: consult TS1.5 <i>Specific feed safety limits</i>
<p><b>Notification about application of this protocol</b></p>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time when this gatekeeper protocol will be used for a new combination of producer and country of cultivation.</p>	

### 4.3.6. Purchase of feed materials of mineral origin

Scope of application															
Feed product	Minerals (this concerns single minerals, not mixes of minerals/premixtures). The mineral must be included in the TS1.3 <i>product list</i>														
Origin	The minerals are produced outside the countries listed below.														
	<table border="1"> <thead> <tr> <th>Country</th> <th>Gatekeeping is not allowed for:</th> </tr> </thead> <tbody> <tr> <td>Austria</td> <td>All minerals</td> </tr> <tr> <td>Belgium</td> <td>All minerals</td> </tr> <tr> <td>Germany</td> <td>All minerals</td> </tr> <tr> <td>Luxembourg</td> <td>All minerals</td> </tr> <tr> <td>The Netherlands</td> <td>All minerals</td> </tr> <tr> <td>United Kingdom</td> <td>All minerals</td> </tr> </tbody> </table>	Country	Gatekeeping is not allowed for:	Austria	All minerals	Belgium	All minerals	Germany	All minerals	Luxembourg	All minerals	The Netherlands	All minerals	United Kingdom	All minerals
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	Austria	All minerals													
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	Germany	All minerals													
	Luxembourg	All minerals													
	The Netherlands	All minerals													
United Kingdom	All minerals														
Applied by	GMP+ certified company with a production or trade scope														
Applicable until	<p>The gatekeeper must make a choice between 2 options:</p> <ol style="list-style-type: none"> <li>Applicable with no time limit with testing of each batch on a fixed list of parameters.</li> </ol> <p>or</p> <ol style="list-style-type: none"> <li>Applicable for 1,5 years, with possibility to have a HACCP-based monitoring. In this case the next conditions apply:                             <ul style="list-style-type: none"> <li>The period is meant for producer to go for GMP+ FSA certification, or equivalent. There must be a clear proof for this.</li> <li>Only if the product flow is kept segregated, starting from the non-certified producer until delivery ('closed chain')</li> </ul> </li> </ol> <p><i>Note: If for whatever reason after 18 months the producer is not certified, the monitoring of each batch must be applied.</i></p>														
Requirements for the gatekeeper															
General	See <a href="#">§ 4.1</a>														
Specific conditions	<p>The gatekeeper must make a clear and unambiguous agreement with the supplier about:</p> <ul style="list-style-type: none"> <li>compliance with relevant requirements of this gatekeeper protocol</li> <li>the responsibility of the supplier and the gatekeeper regarding the purchased product</li> <li>exchange of relevant information</li> <li>any other issue, relevant for assuring the safety of the feed.</li> </ul>														

	<p>Purchased minerals must be suitable to be used in feed. The gatekeeper must investigate if and how the product can be used in feed and what feed legislation is applicable. The gatekeeper purchasing minerals that are not yet suitable as feed material must first process the product into a feed material. A validated treatment must be performed. The treatment must be in accordance with scheme requirements.</p> <p>In case the mineral is genuinely intended for feed and/or does not need further processing, it must be imported as a feed material and declared as such in custom duties on all import documentations (such as Bill of lading, certificate, invoices, custom declarations).</p>	
Supplier evaluation	1. Hazard analysis	Yes
	2. Supplier audit	<p>Recommended</p> <p>See S9.7 for more information on how to execute supplier assessments.</p>
	3. Sampling	<p>Each batch in accordance with the requirements as described in document TS 1.6 Sampling.</p> <p><i>For batch definition see F 0.2 Definition list</i></p>
	4. Testing	<p>Option 1: See below</p> <p>-----</p> <p>Option 2: Based on HACCP</p>
Retain as documented information	<p>The HACCP assessment must encompass all operations and activities, from original excavation / production up to delivery, and must result in addressing and controlling all hazard related to the</p> <ul style="list-style-type: none"> <li>• Specific feed product concerned</li> <li>• Excavation/production process of this feed product</li> <li>• Other operations and activities like storage and transport, including cleaning requirements</li> </ul> <p>In addition, the Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• the raw materials, excavation, production methods, storage, transport, process flow and environment from which the feed is derived, to be able to complete the risk assessment for each feed.</li> <li>• name and address data of the producer</li> <li>• purchased batches of feed material</li> <li>• results of analysis</li> <li>• other relevant information</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p> <p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	



<b>Testing option 1</b>		
The samples must in any event be analysed for the parameters and with the frequency which are summarised below		
Parameter	Frequency	Remarks
Heavy metals: <ul style="list-style-type: none"> <li>• Arsenic</li> <li>• Lead</li> <li>• Cadmium</li> <li>• Mercury</li> </ul>	Each batch	For action - and rejection limits see TS1.5 <i>Specific feed safety limits</i>
Fluorine	Each batch	
Dioxins	Each batch	
Sum of dioxins and dioxin-like PCBs	Each batch	
Dioxin-like PCBs	Each batch	
Non-dioxin-like PCBs	Each batch	
Polycyclic Aromatic Hydrocarbons (PAH4)	Each batch if directly dried	
<b>Notification about application of this protocol</b>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	Yes, before starting using this protocol, via this <a href="#">LINK</a> . (option 1). Before starting using option 2, GMP+ International must be notified via a special form <a href="#">LINK</a> . A validation is part of the notification procedure. For more details about the procedure see the FAQ list. GMP+ International must be notified each time when this gatekeeper protocol is used for a new combination of producer and product.	

### 4.3.7. Purchase of processed feed materials

Scope of application																																	
Feed product	<p>Processed feed materials:</p> <ul style="list-style-type: none"> <li>not covered by one of the other protocols for purchase of processed feed materials</li> <li>not from mineral origin (see <a href="#">§ 4.3.6</a>)</li> </ul> <p><i>Note:</i></p> <ul style="list-style-type: none"> <li>The feed material must be included in the TS1.3 Product list.</li> <li>Feed materials mentioned in <a href="#">§ 4.2</a> cannot be purchased under this gatekeeper protocol.</li> </ul>																																
Origin	<p>The processed feed materials are produced outside the countries listed below and if there is a trader between the producer and the gatekeeper - this trader is located outside the countries listed below, unless sold on FOB-conditions.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Country</th> <th style="text-align: left;">Gatekeeping is not allowed for:</th> </tr> </thead> <tbody> <tr> <td>Austria</td> <td>All processed feed materials</td> </tr> <tr> <td>Belgium</td> <td>All processed feed materials</td> </tr> <tr> <td>Germany</td> <td>All processed feed materials</td> </tr> <tr> <td>Luxembourg</td> <td>All processed feed materials</td> </tr> <tr> <td>The Netherlands</td> <td>All processed feed materials</td> </tr> <tr> <td>United Kingdom</td> <td>All processed feed materials</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Argentina</td> <td>Oil seeds meal</td> </tr> <tr> <td>Brazil</td> <td>Oil seeds meal and citrus pulp</td> </tr> <tr> <td>Indonesia</td> <td>Palm kernel expellers</td> </tr> <tr> <td>Malaysia</td> <td>Palm kernel expellers</td> </tr> <tr> <td>Pakistan</td> <td>Molasses</td> </tr> <tr> <td>Peru</td> <td>Fishmeal</td> </tr> </tbody> </table> <p><i>Note: Based on a yearly assessment of developments, specific countries (or product-country combinations) can be added to this list. When it is decided to add a country (or a product-country combination) to the list, this will be announced well in advance.</i></p> <p><i>The next countries will be evaluated, with the aim to add them to list of countries where gatekeeping is not possible:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Country</th> <th style="text-align: left;">Processed Feed materials</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Country	Gatekeeping is not allowed for:	Austria	All processed feed materials	Belgium	All processed feed materials	Germany	All processed feed materials	Luxembourg	All processed feed materials	The Netherlands	All processed feed materials	United Kingdom	All processed feed materials			Argentina	Oil seeds meal	Brazil	Oil seeds meal and citrus pulp	Indonesia	Palm kernel expellers	Malaysia	Palm kernel expellers	Pakistan	Molasses	Peru	Fishmeal	Country	Processed Feed materials		
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Applied by	GMP+ certified company with a production or trade scope.								
Applicable until	<p>The gatekeeper must make a choice between 2 options:</p> <ol style="list-style-type: none"> <li>1. Applicable with no time limit with testing of each batch on a fixed list of parameters. or</li> <li>2. Applicable for 1,5 years, with possibility to have a HACCP-based monitoring. In this case the next conditions apply: <ul style="list-style-type: none"> <li>• The period is meant for producer to go for GMP+ FSA certification, or equivalent. There must be a clear proof for this.</li> <li>• Only if the product flow is kept segregated, starting from the non-certified producer until delivery ('closed chain')</li> </ul> </li> </ol> <p><i>Note: If for whatever reason after 18 months the producer is not certified, the batch by batch monitoring must be applied.</i></p>								
<b>Requirements for the gatekeeper</b>									
General	See <a href="#">§ 4.1</a>								
Specific conditions									
Supplier evaluation	<table border="1"> <tr> <td>a. Hazard analysis</td> <td>Yes</td> </tr> <tr> <td>b. Supplier audit</td> <td>Recommended</td> </tr> <tr> <td>c. Sampling</td> <td>Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i>. <i>For batch definition see F0.2 Definition list</i></td> </tr> <tr> <td>d. Testing</td> <td>Option 1: See <a href="#">§ 4.3.7.1</a> ----- Option 2: Based on HACCP</td> </tr> </table>	a. Hazard analysis	Yes	b. Supplier audit	Recommended	c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> . <i>For batch definition see F0.2 Definition list</i>	d. Testing	Option 1: See <a href="#">§ 4.3.7.1</a> ----- Option 2: Based on HACCP
a. Hazard analysis	Yes								
b. Supplier audit	Recommended								
c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> . <i>For batch definition see F0.2 Definition list</i>								
d. Testing	Option 1: See <a href="#">§ 4.3.7.1</a> ----- Option 2: Based on HACCP								
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• the raw materials, production methods, process flow and environment from which the feed is derived, to be able to complete the risk assessment for each feed.</li> <li>• name and address data of the producer</li> <li>• purchased batches of feed material</li> <li>• results of analysis</li> <li>• other relevant information</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p>								

<p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	
<p><b>Notification about application of this protocol</b></p>	
<p>Notification to the Certification Body</p>	<p>Yes</p>
<p>Notification to GMP+ International</p>	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>. (option 1).                  Before starting using option 2, GMP+ International must be notified via a special form <a href="#">LINK</a>. A validation is part of the notification procedure. For more details about the procedure see the FAQ list.                  GMP+ International must be notified each time when this gatekeeper protocol is used for a new combination of producer and product.</p>

### 4.3.7.1. Appendix 1: Testing

- Each sample must any event be analysed for the parameters which are summarised below. If the hazard analysis shows that other parameters deserve attention then these must be analysed as well.

*Note: to help to classify an individual feed material in the correct category, consult [this document](#).*

- Where the table does not provide information about parameters, the gatekeeper must determine the parameters to be analysed for each batch based on the hazard analysis. The gatekeeper must submit via this [LINK](#) the monitoring plan to GMP+ International for validation before starting applying the gatekeeper protocol.

Hazard Category of Feed material	Pesticides residues	Aflatoxine B1	DON	ZEA	Fumonisin	OTA	T2/HT2	Heavy metals 4 (As,Cd,Pb, Hg)	Dioxines DL PCB's	Ndl PCB's	PAH4	Salmonella	Nickel	Hydro cyanic acid	Anti
(By) products of cereal grains incl. starch production	X	X <sup>b</sup>	X	X	X <sup>b</sup>	X	X <sup>a</sup>	X	X	X		X			
(By-)products from potato starch production	X							X	X	X	X <sup>d</sup>	X <sup>f</sup>			
(By-)products of oil seeds, oil fruits, oil supplying plants (meals, expellers)	X	X		X				X	X	X		X		X <sup>c</sup>	
(By-)products from sugar production	X			X				X	X	X	X <sup>d</sup>	X			
(By)-products from beer production (yeast, feed beer)	X							X	X <sup>d</sup>	X <sup>d</sup>		X			X <sup>g</sup>
(By-)products from malting (malt	X	X <sup>b</sup>	X	X	X <sup>b</sup>	X	X <sup>a</sup>	X	X	X		X			

Hazard Category of Feed material	Pesticides residues	Aflatoxine B1	DON	ZEA	Fumonisin	OTA	T2/HT2	Heavy metals 4 (As,Cd,Pb, Hg)	Dioxines DL PCB's	Ndl PCB's	PAH4	Salmonella	Nickel	Hydro cyanic acid	Anti
rootlets, malt), incl. brewers' grains and DDGS															
(By)-products of legumes	X							X	X <sup>d</sup>	X <sup>d</sup>	X <sup>d</sup>	X			
Dried grass meal	X							X	X	X	X	X			
(By-)products from fruit processing	X	X <sup>i</sup>						X	X <sup>d</sup>	X <sup>d</sup>	X <sup>d</sup>			X <sup>i</sup>	

Hazard Category of Feed material	Pesticides residues	Heavy metals 4 (As,Cd,Pb,Hg)	Dioxines DL PCB's	Ndl PCB's	PAH4	Salmonella	Nickel	Antibiotica	Methanol	Insoluble impurities
(By-)products from milk and egg production		X	X <sup>h</sup>	X <sup>h</sup>		X				
Fats, oils (including animal fats) and glycerine, with exception of products mentioned in par. 4.2	X	X <sup>n</sup>	X	X	X <sup>j</sup>		X <sup>k</sup>		X <sup>n</sup>	X <sup>m</sup>
Fish, marine animals and (by)products	X	X	X	X	X	X		X <sup>l</sup>		

a Only for oat and oat products	f For protein rich products	k Only for solid fats
b Only for maize and maize products	g For yeast, if production process is unknown	l Only for fish and shrimps from non-EU countries
c Only for linseed	h For egg products and products containing fat	m Only for animal fat, legal requirement
d If dried directly	i Only for almonds and apricots	n Only for glycerine
e If delivery directly to farmer	j Only for vegetable oil and glycerine	

### 4.3.8. Purchase of feed for feed trial

Scope of application		
Feed product	Feed for feed trial  <i>Note that this protocol is not referring to a specific feed product, but to the purpose for which the feed product is purchased.</i>	
Origin	All countries	
Applied by	GMP+ certified company with a production scope	
Applicable until	No time limit	
Requirements for the gatekeeper		
General	See <a href="#">§ 4.1</a>	
Specific requirements	<p>If specific feed materials are part of the test, they do not have to be on the TS1.3 <i>Product list</i>.</p> <p>If non-registered veterinary medicine or non-approved additives are processed, the gatekeeper must:</p> <ul style="list-style-type: none"> <li>• have approval of the competent authority.</li> <li>• ensure that the produced test feed does not lead to undesired contamination of GMP+ feed.</li> <li>• ensure that residues (as a result of carry-over) do not exceed the GMP+ limit (max 1ppm).</li> </ul>	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Recommended
	c. Sampling	Each batch in accordance with the requirements as described in document TS1.6 <i>Sampling</i> <i>For batch definition see F0.2 Definition list.</i>
	d. Testing	Based on HACCP
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• the raw materials, production methods, process flow and environment from which the feed is derived, to be able to complete the risk assessment for each feed.</li> <li>• name and address data of the producer</li> <li>• purchased batches of feed</li> <li>• results of analysis</li> <li>• other relevant information</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request– for GMP+ International.</p>	



<p><i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i></p>	
<p><b>Notification about application of this protocol</b></p>	
Notification to the Certification Body	Yes
Notification to GMP+ International	<p>Yes, before starting to use this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time when this gatekeeper protocol is used for a new combination of producer and product.</p>

## 4.4. Gatekeeper requirements for purchase of feed services

### 4.4.1. Purchase of road transport

Scope of application	
Feed service	<ul style="list-style-type: none"> <li>Road transport in bulk</li> <li>Road transport of vegetable foodstuffs in "for foodstuffs only" loading compartments</li> </ul>
Origin	<p>Applicable for road transport outside of countries listed below:</p> <ul style="list-style-type: none"> <li>Austria</li> <li>Belgium</li> <li>Czech Republic</li> <li>Germany</li> <li>France</li> <li>Poland</li> <li>The Netherlands</li> <li>United Kingdom</li> </ul> <p>This gatekeeper protocol can also be applied for road transport in every country in the following cases:</p> <ul style="list-style-type: none"> <li>During harvest for a period of 90 days (which can also be non-consecutive), for transport of unprocessed agricultural products directly from the grower.</li> <li>Transport of hay/straw on flatbed/ curtain siders trucks</li> <li>Transport of vegetable foodstuffs in "for foodstuffs only" loading compartments</li> </ul>
Applied by	<ul style="list-style-type: none"> <li>GMP+ certified company with a production or trade scope</li> <li>GMP+ certified company, operating within the Spanish port premises, with a scope storage and transshipment of feed <u>and</u> a scope affreightment of road transport</li> <li>GMP+ certified company, operating within the Brazilian market, with a scope Affreightment of Road transport</li> </ul>
Applicable until	No time limit
Requirements for the gatekeeper	
General	See <a href="#">§ 4.1</a>
Specific requirements	<p>Gatekeeper must:</p> <ol style="list-style-type: none"> <li>have a quality/ feed safety assurance agreement with the non-certified carrier;</li> <li>have, if applicable, an agreement for transport of hay and straw. See for an example support document S9.10 <i>Common daily practice company documents</i>. This information can also be included in the CMR instead. If the delivery address is another GMP+ certified company, this agreement is not necessary;</li> <li>establish that the transport company complies with all the applicable legal obligations relating to feed<sup>7</sup> ;</li> </ol>

7. For member countries of the European Union, for example, there is an obligation to register under Reg. (EC) 183/2005.

	<p>4. receive information about:</p> <ul style="list-style-type: none"> <li>• at least the last three previous loads,</li> <li>• the cleaning operations performed after them</li> <li>• any transport of forbidden loads;</li> </ul> <p>5. provide instructions about:</p> <ul style="list-style-type: none"> <li>• cleaning and/or disinfection in accordance with the IDTF and the visual inspection</li> <li>• handling of aberrant load,</li> <li>• handling of forbidden loads, etc.</li> </ul> <p>6. provide instructions about retaining documented information as part of tracking and tracing;</p> <p>7. check on the compliance with the agreement.</p> <p>This check is done by means of an initial and periodic inspection carried out by a loading inspector.<sup>8</sup></p> <p>If prohibited loads have been transported, the release procedure must be carried out. See for this the section Procedures on the IDTF website.</p> <p>Additionally, when “for foodstuffs only” loading compartments are used for transport of vegetable foodstuffs<sup>9</sup> for use in feed, they must be marked as such in a clearly visible and indelible fashion. “For foodstuffs only” loading compartments must be covered by HACCP certification of the carrier.</p>								
Supplier evaluation	<table border="1"> <tr> <td data-bbox="523 974 965 1034">a. Hazard analysis</td> <td data-bbox="965 974 1407 1034">Yes</td> </tr> <tr> <td data-bbox="523 1034 965 1131">b. Supplier audit</td> <td data-bbox="965 1034 1407 1131">Yes, by means of an initial and periodic inspection</td> </tr> <tr> <td data-bbox="523 1131 965 1191">c. Sampling</td> <td data-bbox="965 1131 1407 1191">Not applicable</td> </tr> <tr> <td data-bbox="523 1191 965 1249">d. Testing</td> <td data-bbox="965 1191 1407 1249">Not applicable</td> </tr> </table>	a. Hazard analysis	Yes	b. Supplier audit	Yes, by means of an initial and periodic inspection	c. Sampling	Not applicable	d. Testing	Not applicable
a. Hazard analysis	Yes								
b. Supplier audit	Yes, by means of an initial and periodic inspection								
c. Sampling	Not applicable								
d. Testing	Not applicable								
Retain as documented information	<p>Gatekeeper must retain as documented information:</p> <ul style="list-style-type: none"> <li>• the name, address and registered offices of all transporters assured</li> <li>• unique identification of assured loading compartments (number plates etc.)</li> <li>• quality assurance agreement</li> <li>• agreement for transport of hay and straw</li> <li>• instructions to the person responsible</li> <li>• report of initial and periodic inspections</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p>								
<b>Notification about application of this protocol</b>									
Notification to the Certification Body	Yes								

8. For definition of loading inspector see F 0.2 Definition list

9. Vegetable foodstuffs are all vegetable “substances and products, processed, partially processed or unprocessed, which are intended for consumption by humans or where it may be reasonably expected that they will be consumed by humans” (Re (EC) No 178/2002). This does not include by-products of food industry.

Notification to GMP+ International	Yes, before starting using this protocol, via this <a href="#">LINK</a> .  GMP+ International must be notified each time this gatekeeper protocol will be used in another country.
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### 4.4.2. Purchase of inland waterway transport

Scope of application	
Feed service	Inland waterway transport in bulk
Origin	Applicable for inland waterway transport outside of countries listed below: <ul style="list-style-type: none"> <li>• Austria</li> <li>• Belgium</li> <li>• Czech Republic</li> <li>• Germany</li> <li>• France</li> <li>• Poland</li> <li>• The Netherlands</li> </ul>
Applied by	GMP+ certified company with at least the scope Affreightment of inland waterway transport
Applicable until	No time limit
Requirements for the gatekeeper	
General	See <a href="#">§ 4.1</a>
Specific requirements	<p>Gatekeeper must:</p> <ol style="list-style-type: none"> <li>1. have a quality/ feed safety assurance agreement with the non-certified barge;</li> <li>2. establish that the barge complies with all the applicable legal obligations relating to feed<sup>10</sup></li> <li>3. receive information about:                             <ul style="list-style-type: none"> <li>• at least the last three previous loads,</li> <li>• the cleaning operations performed after them</li> <li>• any transport of forbidden loads</li> </ul> </li> <li>4. provide instructions about:                             <ul style="list-style-type: none"> <li>• cleaning and/or disinfection in accordance with the TS3.3 Inland waterway transport and short sea shipping of feed,</li> <li>• retaining documented information as part of tracking &amp; tracing,</li> <li>• handling of aberrant load,</li> <li>• handling of forbidden loads, etc.</li> </ul> </li> <li>5. check on the compliance with the agreements by means of initial inspection carried out by GMP+ (or equivalent) auditors / inspectors, accepted for the scope affreightment of short sea and inland waterways transport. If prohibited loads have been transported, the release procedure for inland waterway transport must be carried out. See for this TS3.3 Inland waterway transport and short sea shipping of feed.</li> <li>6. before each loading of feed arrange a loading compartment inspection (LCI) by a Control Organisation (CO) in accordance with the GMP+ requirements of the TS3.3 Inland waterway transport and short sea shipping of feed.</li> </ol>

10. For member countries of the European Union, for example, there is an obligation to register under Reg. (EC) 183/2005.

	For definition of CO see F0.2 <i>Definition list</i> .	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Yes, by means of an initial inspection
	c. Sampling	Not applicable
	d. Testing	Not applicable
Retain as documented information	<p>Gatekeeper must retain as documented information::</p> <ul style="list-style-type: none"> <li>• the name, address and registered offices of all owners of barges assured</li> <li>• unique identification of assured barges</li> <li>• quality assurance agreement</li> <li>• instructions to the person responsible</li> <li>• report of initial inspection</li> <li>• LCI reports</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p>	
<b>Notification about application of this protocol</b>		
Notification to the Certification Body	Yes	
Notification to GMP+ International	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time when this gatekeeper protocol will be used in another country.</p>	

### 4.4.3. Purchase of storage and transshipment

Scope of application		
Feed service	Storage and transshipment	
Origin	Applicable for storage and transshipment outside of countries listed below: <ul style="list-style-type: none"> <li>• Austria</li> <li>• Belgium</li> <li>• Germany</li> <li>• Luxembourg</li> <li>• The Netherlands</li> <li>• United Kingdom</li> </ul>	
	This gatekeeper protocol can also be applied in all countries in the following cases: <ul style="list-style-type: none"> <li>• Bulk storage <u>at the grower</u> immediately following the harvesting of unprocessed agricultural products</li> <li>• Temporary (until the next harvest) storage of vegetable primary products, ensiled immediately following the harvesting.</li> <li>• Temporary (less than six consecutive months) bulk storage or transshipment immediately following the harvesting of vegetable primary products.</li> <li>• Storage and transshipment of packaged feed.</li> </ul>	
Applied by	GMP+ certified company with a production or trade scope.	
Applicable until	No time limit	
Requirements for the gatekeeper		
General	See <a href="#">§ 4.1</a>	
Specific requirements	Gatekeeper must: <ol style="list-style-type: none"> <li>1. have a quality/ feed safety assurance agreement with the non-certified storage and transshipment company;</li> <li>2. establish that the storage and transshipment company complies with all the applicable legal obligations relating to feed.<sup>10</sup></li> <li>3. provide instructions in the relevant requirements (hygiene, retaining documented information as part of tracking and tracing, pest control, what to do in the event of the determination of aberrant feed product etc.).</li> <li>4. check on the compliance with the agreements during the supplier audit.</li> </ol>	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Yes by means of an initial inspection and after that a risk based periodic inspection.
	c. Sampling	Not applicable
	d. Testing	Not applicable

<p>Retain as documented information</p>	<p>Gatekeeper must retain as documented information::</p> <ul style="list-style-type: none"> <li>• the name, address and registered offices of all storage and transshipment locations assured</li> <li>• quality assurance agreement</li> <li>• instructions to the person responsible</li> <li>• report of the supplier audit</li> </ul> <p>Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.</p>
<p><b>Notification about application of this protocol</b></p>	
<p>Notification to the Certification Body</p>	<p>Yes</p>
<p>Notification to GMP+ International</p>	<p>Yes, before starting using this protocol, via this <a href="#">LINK</a>.</p> <p>GMP+ International must be notified each time this gatekeeper protocol will be used in another country.</p>



## 4.5. Special gatekeeping options

### 4.5.1. Other Products and Services

Scope of application		
Product	All other products and services which can have a negative impact on the feed safety and are not addressed in other protocols.	
	<i>Examples: silage agents, cleaning agents, lubricants, processing aids, veterinary medicinal products, silo cleaning service, pest control service, raw materials for feed.</i>  <i>See for more information S9.3 - Explanation of GMP+ feed chain</i>	
Origin	All countries	
Applied by	GMP+ certified company	
Applicable until	No time limit	
Requirements for the gatekeeper		
General	See <a href="#">§ 4.1</a>  <i>Note: when using this protocol it is not necessary to include the results of analysis in the GMP+ Monitoring database.</i>	
Specific conditions	No	
Supplier evaluation	a. Hazard analysis	Yes
	b. Supplier audit	Recommended
	c. Sampling	In accordance with the requirements as described in document TS1.6 <i>Sampling</i>
	d. Testing	Based on HACCP
Retain as documented information	Documented information related to the application of this protocol must be retained. This must be available for the auditor and – upon request – for GMP+ International.  <i>Note: (parts) of the above listed information might not always be available. In the framework of application of HACCP-principles, this lack of information can result in defining more control measures and monitoring.</i>	
Notification about application of this protocol		
Notification to the Certification Body	No	
Notification to GMP+ International	No	

## 4.5.2. Raw materials for soap stock splitting

Accepted certificates -scopes	
<p>All certificates -scopes listed <a href="#">§ 3.4.1</a>.</p> <p><i>Note: The soap stock splitters are to be considered as a starting point in the assured chain. Therefore the raw materials can also be purchased from uncertified suppliers, based on the results of a hazard analysis.</i></p>	
Additional requirements	
<p>Soap stock splitter must ensure there is a clear contract with the suppliers of the raw materials with specification of the incoming raw materials and the literally stated the negative list of raw materials.</p>	
<p>Raw materials to be used</p>	<ul style="list-style-type: none"> <li>• Wet gums out of processing food/feed grade oil (GMQ)</li> <li>• Soap stock out of first generation GMQ vegetable oil (chemical refinery)</li> <li>• Soap stocks from neutralization process (derived from GMQ oil to be used in biodiesel production)</li> </ul> <p>This is from GMQ crude vegetable oil which quality is also used to process refined oils for human consumption.</p> <p>The oil which is used in biodiesel production is only partly refined, meaning only neutralized. Bleaching and deodorization is normally not part of the biodiesel process.</p>
<p>Raw materials not be used (negative list) See TS1.4 Forbidden Products and Fuels</p>	<ul style="list-style-type: none"> <li>• By-products from biodiesel production (e.g. MONG)</li> <li>• Soap stocks out of multi feedstock biodiesel. Multi feedstock means non-GMQ vegetable oil. In this case besides oils/fats from vegetable origin, also fats/oils from animal origin or Used Cooking Oils are used to produce the biodiesel</li> <li>• Tank bottoms</li> <li>• Regained oil from bleaching earth</li> <li>• Deodistillates</li> <li>• Skimming fats from water treatment processing (e.g. Palm Oil Mill Effluent - POME)</li> <li>• Fats from animal origin</li> </ul>
<p>For definition of GMQ, First generation GMQ oil, MONG and Multi feedstock see F0.2 <i>Definition list</i>.</p>	



## Risk Management tools

That was a lot of information to digest and one might ask, what is the next step? Luckily we can offer support for the GMP+ Community when doing this. We provide support by means of various tools and guidances but as each company has a shared responsibility to feed safety, and therefor tailor-made solutions cannot be offered. However, we do help by explaining requirements and provide background information about the requirements.

We have developed various supporting materials for the GMP+ Community. These include various tools, ranging from Frequently Asked Questions (FAQ) lists to webinars and events.

### **Supporting materials related to this document (Guidelines and FAQ's)**

We have made documents available which give guidance to the GMP+ requirements as laid down in the module GMP+ FSA and GMP+ FRA. These documents give examples, answers to frequently asked questions or background information.

### **GMP+ Monitoring database**

The GMP+ Monitoring database contains analysis results from you and other users. It is possible to generate reports based on this data. We have a manual and a frequently asked questions document available.

#### **Where to find more about the GMP+ International Risk Management tools?**

##### **Fact sheets**

More information: [GMP+ Platform](#)

##### **Product list**

More information: [Product List](#)

##### **Risk Assessments**

More information: [GMP+ Platform](#)

##### **GMP+ Monitoring database**

More information: [GMP+ Monitoring database](#)

Support documents

More information: [Support documents](#)

We enable every company in the  
feed chain to take responsibility for  
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