Check list for feed ingredients

1. INTRODUCTION

The aim of this check list is to support the preparation of the submission package for the pre-market approval or authorization of feed ingredients, with regards to their identification and characterization. It follows the recommended information as detailed in the Guidance Document on Identification and Characterization. The applicant may use it as a tool to ensure all aspects of identification and characterization for the feed ingredient in the submission is covered. It is not meant to replace the submission of the actual scientific or technical information which must be included in the submission package.

In this check list, the information for identification (Section 3) and for characterization (Section 4) is indicated in line with the Section 8 of the Guidance Document.

Note that this check list is not meant to be all inclusive or exhaustive. It may be necessary, depending on the specific feed ingredient considered, to provide additional information, which is not listed in the feed ingredient category. It is therefore recommended to review the content of the whole check list when determining what information is applicable to the specific feed ingredient.

This check list can be included as part of a pre-market submission package for a feed ingredient; however, it will not supersede the actual regulatory requirements from an individual jurisdiction or authority.

Name of the feed ingredient: _____

2. FEED INGREDIENT

2.1 Conditions of use

Items	Information[1]
Intended effect	
Target animal species or class[2]	
Intended use[2]	
Form of the feed ingredient marketed (i.e., feed ingredient or ingredient market formulation)	☐ - Feed ingredient ☐ - Ingredient market formulation
Directions for use	

2.2 Identification (Guidance Document Section 3)

Items	Information[1]
Name (as proposed by the applicant)	
Common name(s)	
Name according to internationally recognized nomenclature, with a reference to the nomenclature used	
Other identifiers	
Chemical formula (molecular and structural)	
Chemical Abstracts Service (CAS) Number	
Taxonomic classification, including substantiated changes in nomenclature	
Strain identification	
EC number	
Botanical classification (family, genus, species)	
Animal classification (family, genus, species)	
Part of the plant used to produce the feed ingredient	
Part of the microorganism used to produce the feed ingredient	
Part of the animal or product of animal origin used to produce the feed ingredient	
Other relevant information	

[1] Indicate if the relevant information has been provided in the submission.
[2] See detailed description in the Guidance Document

2.3 Characterization (Guidance Document Section 4)

Items	Information[1]
Composition	
Name and purity of active substance(s)	
Name and purity (minimum enzymatic activity) of active substance(s)	
Name and purity (minimum count, cfu/g]) of active substance(s)	
Nutritional composition	
Typical composition (w/w or w/vol) summing to 100%	
Type of extraction	
Contaminants	
PCBs and dioxins	
Heavy metals	
Pesticides	
Chemical residues	
Microorganisms	
Drug/Antibiotic residues	
Biotoxins (incl. mycotoxins)	
Animal disease vector	
Other(s)	
Estimated shelf life	
Physical state	
Appearance	
Dusting potential	
Particle size range	
Flowability	
Known incompatibilities	
Other characteristics relevant for the assessment	
Solubility/Dispersibility (with an indication of solvent(s) used)	
Octanol/Water partition coefficient (K_{ow})	
Molecular weight	
Density/Specific gravity	
pH	
Intrinsic/Endogenous toxic compound(s)	
Antinutritional compound(s)	
Genetic modification	

Items	Information[1]
Classification[3] of the microorganism	
Origin of the isolate	
Description of the animal (original source and potential selection)	
Phenotypic traits of the microorganism	
Unambiguous identification	
Whole Genome Sequencing	
Other molecular taxonomic methods	
Capacity to produce toxin(s)	☐ - Yes / ☐ - No
Presence of virulence factor(s)	☐ - Yes / ☐ - No
Capacity to exhibit antimicrobial resistance	☐ - Yes / ☐ - No
Absence of acquired antimicrobial resistance	☐ - Yes / ☐ - No
Presence of plasmid(s)	☐ - Yes / ☐ - No
Viability of the microorganism in the feed ingredient	☐ - Yes / ☐ - No
Substrate(s) used for the fermentation process	
Substrate(s) used as source of nutrients (for insects)	

[3] Classification can be found in the EFSA QPS list of microorganisms with the relevant qualifications, in the AAFCO Official Publication, the GRAS list or Directive of the European Parliament and of the Council No2000/54.

3. INGREDIENT MARKET FORMULATION (GUIDANCE DOCUMENT SECTION 5)

If the feed ingredient is marketed in the form of multiple ingredient market formulation, indicate the recommended information in one table per ingredient market formulation.

3.1.1 Ingredient Market Formulation 1: _____

Item	Information[1]
Name of ingredient market formulation	
Other identifiers	
Composition	
Estimated shelf life	
Physical state	
Appearance	
Dusting potential	
Particle size range	
Flowability	
Solubility/Dispersibility in water	
Other characteristics	

3.1.2 Ingredient Market Formulation 2: _____

Item	Information[1]
Name of ingredient market formulation	
Other identifiers	
Composition	
Estimated shelf life	
Physical state	
Appearance	
Dusting potential	
Particle size range	
Flowability	
Solubility/Dispersibility in water	
Other characteristics	