

Methodology of the EFPPRA risk analyses for the feed chains of animal fats and proteins

EFPPRA has made risk analyses of the feed materials derived from animal fats and proteins from:

- pigs
- ruminants
- poultry

EFPPRA conducted the risk analyses as follows:

- A flow chart for the production chain from transport of animals to the slaughter house until the delivery of the processed animal by-product (fat, meal) to the feed industry was constructed. Only one general flow chart was constructed, since the production chain is the same for pigs, ruminants and poultry.
- For every animal involved, the feed safety hazards that may be reasonably expected to occur, were described per chain element. A feed safety hazard is a biological (B), chemical (C) or physical (P) agent in, or a condition of, a product that has the potential to cause an adverse health effect to animals or to the consumer of the product.
- Per hazard, the risks were assessed as follows:
 - The chance of happening was identified (low, medium, high). “Chance” indicates the likelihood of the hazard to occur. The chance classes were defined as:
 - low: the hazard has never occurred, but may occur
 - medium: the hazard appears once a year
 - high: the hazard appears more often than once a year
 - The seriousness of the damage was assessed (little, medium, high). “Seriousness” is the severity of adverse health effects to animals or to the consumer of the product when exposed to the risk.

The risks were classified according to following table:

Seriousness	Little	Medium	High
Chance			
Low	1	2	3
Medium	2	3	4
High	3	4	4

- The reason for recording the hazard as well as the assessment of the risk, if any, was justified.
- In case EU legislation or trade standards set limits for the respective hazards, these were listed.
- The formulated control measures were formulated based on the following table:

Risk class*	Action
1	No control measures needed
2	No control measures needed, but periodically evaluate if control measures are necessary
3	To be controlled by generally verifiable measures such as good operation practices
4	Control measure specifically designed to control the risk (CCP)

*The risk class refers to the situation before application of above (control) measures.

Please note that the risk analyses are a general study and it should be taken into consideration that restrictions may apply to the feeding of certain products of animal origin at EU and member state level.