

YOUR PARTNER IN ANIMAL SPECIES DETECTION



TNO triskelion bv

TNO Triskelion is a contract research organisation active in toxicology, analytical research and chemical risk assessment. The mission of TNO Triskelion is to guarantee the quality and safety of food ingredients, food products, chemical substances and pharmaceutical products. TNO Triskelion is a trusted partner for the food industry, offering fast and reliable services for the detection of ruminant species in processed animal protein used in aquafeed.

FEED BAN BACKGROUND

As a consequence of the BSE crisis, a complete ban on the use of processed animal proteins in feed was instituted through Commission Regulation 1234 in 2003. Recently, member states voted to accept a proposal by the European Commission to allow processed animal protein (PAP) derived from pig and poultry sources to be incorporated into farmed fish feed. This measure is currently expected to come into force in June 2013. Implementation of this adapted strategy requires reliable and validated analytical testing procedures in order to determine the species origin of the relevant processed animal protein.

FIRST APPROVED METHOD WAS DEVELOPED BY TNO TRISKELION

TNO Triskelion BV has developed a Real-Time PCR method for the specific detection of ruminant DNA. Our method

was assessed in close cooperation with the EURL-AP (European Union Reference Laboratory for Animal Protein in feed stuffs). Apart from a thorough evaluation of the method itself, performed with respect to specificity and sensitivity towards DNA from a wide variety of animals including ruminants, terrestrial mammals, birds, fish species and sea mammals, the robustness of the method was tested successfully. As a follow-up, our method was validated through an inter-laboratory study in which 12 European institutes participated. Based on this assessment, EURL-AP concluded that the ruminant-specific Real-Time PCR method developed by TNO Triskelion BV is the preferred method for the detection of ruminant PAP in feed stuffs.



WE HELP YOU TO DEMONSTRATE PRODUCT COMPLIANCE

As a processor of animal protein or a (aqua)feed producer you need to be sure that your products do not contain ruminant protein. This means you need clear and trusted analytical reports to unequivocally demonstrate the quality of your products both for business and legal compliance purposes. Because we developed the method, we have the experience and the credibility to match your needs. Our service is designed to deliver reliable results on time. Turnaround times are as good as they come and an express service up to 48 hours is available by consultation.

SPECIAL CUSTOMER SERVICES

TNO Triskelion provides special services if you need your test results at even shorter notice. For these situations, you need a dependable partner able to provide you quickly with reliable information. Our Emergency Response Service (ERS) is available for those situations on a 24/7 basis. More information on ERS can be found at www.emergencyresponseservice.nl.

TNO TRISKELION'S QUALITY STANDARD

As a trusted third party, we maintain high quality standards for all our analytical test methods. This is particularly important when test results are linked to strong impact use. For this reason our method for ruminant species detection have undergone a profound and stringent in-house validation protocol.

Moreover, this method has been declared fit-for-use by the European Reference Laboratory for Animal Feed following an inter-laboratory evaluation study.

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TNO Triskelion is a contract research organization active in toxicology research, analytical chemistry and chemical risk analyses. The mission of TNO Triskelion is to guarantee the quality and safety of food ingredients, chemical substances and medicines. TNO Triskelion is a subsidiary of TNO, the Netherlands Organisation for Applied Scientific Research.

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