

NUTRIKEM® EXTEND

Both feed digestibility and nutrient absorption, are essential processes to address in the pursuit of maximum feed efficiency to safeguard business profitability. To promote nutrient utilization in one, convenient nutritional approach, Kemin designed a unique solution NUTRIKEM® EXTEND.

NUTRIKEM®EXTEND is a unique blend of KEMZYME® Plus, a multi-enzyme solution for complex substrates, and a Nutrient Absorption Enhancer, LYISOFORTE® EXTEND, designed for a convenient, total approach to improve feed efficiency in poultry and piglets, while significantly saving feed costs.

KEMZYME® Plus combines three different NSP enzymes (xylanase, β -glucanase and cellulase) for the degradation of structural NSP and two different endogenous-like enzymes (amylase and protease).

It is the only EU registered additive with 5 declared and quantified enzyme activities (Identification number 4a1620i), designed to have maximum functionality in varying feed formulations.

LYISOFORTE® EXTEND is unique synergistic combination of lysophospholipids, monoglycerides and a synthetic emulsifier in a well-defined ratio, to effectively improve the digestion of dietary fat and subsequent absorption of fatty acids and other valuable and essential nutrients.



MODE OF ACTION

- Early and long-lasting impact on feed digestion throughout the intestinal tract, enhanced with additional absorption of all essential nutrients, resulting in higher nutrient availability for supporting animal production
 - Efficient enzyme activity at both low and neutral pH environment thanks to a combination of fungal and bacterial enzymes
 - Complements endogenous enzyme production with extra protease and amylase
 - Increases the emulsification of the dietary fat matrix and accelerates the further hydrolysis of lipids
- Improves membrane permeability, increasing the flux of various nutrients across the intestinal cell
- Increases the digestibility of the crude protein, starch and NSP fraction of the diet
- Releases more energy and amino acids from the feed
- Enhances the absorption of other essential nutrients such as carbohydrates, amino acids, fat-soluble vitamins and carotenoids



BENEFITS

- Fits to any kind of feed substrate, applicable for all types of diet
- Supports optimal animal health and performance
- In laying hens: Improves laying rate, total production of eggs, egg mass and reduces amount of feed per egg produced
- Significantly saves feed costs increasing production profitability
- Allows flexibility to replace costly raw materials by other, less expensive ingredients with lower nutritional value and/or higher fiber content thanks to its nutrient uplift
- Supports a better environmental footprint of production through a higher N-retention



APPLICATION

- Efficient and easy to incorporate in final poultry feed: min. 500-1kg/ton of feed
- A flexible tool that can be applied either
 - "On top" of the existing feed formula, for enhancing bird performance
 - In a re-formulation strategy, with high and reliable nutritional matrix values for AME, Crude Protein, total and digestible AA, to save feed costs



PACKAGING

- Manufactured with rigorous quality standards ensuring high safety in use
- Available in a 25 kg
- 24 months shelf-life

