Product Description

CIBENZA® EP150 is a unique feed additive preparation of an intrinsically heat stable protease with spores of its production organism, *Bacillus licheniformis*, which improves animal performance and has a favorable effect on dietary protein. CIBENZA EP150 usage can reduce ration costs by lowering the level of costly protein sources in the feed or optimizing the use of lower digestible, cheaper alternative sources, without sacrificing animal performance.

Overview

CIBENZA EP150 allows for maximum flexibility in dietary formulations.

• can be employed in nutritional strategies to optimize dietary energy and protein
• broad spectrum protease that complements the bird’s endogenous enzymes in the intestinal tract, to hydrolyze more of the undigestible proteins in animal feeds.

Industry research has demonstrated that CIBENZA EP150:

• Increases AA availability for the bird, additionally generating more energy
• Improves the gut flora balance and gut integrity
• Reduces nutrient variability
• Optimizes feed cost

Dosage recommendation

**POULTRY**

• chickens for fattening, chickens reared for laying, minor poultry species for fattening and reared for laying and ornamental birds
• Feed continuously at a rate of min. 500 g/MT of complete feeding stuffs.

Specification

<table>
<thead>
<tr>
<th>Structure</th>
<th>Brown powder</th>
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</thead>
<tbody>
<tr>
<td>Active substance</td>
<td>protease (EC 3.4.21.19) and viable spores of <em>Bacillus licheniformis</em> (ATCC 53757)</td>
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<tr>
<td>Protease</td>
<td>min. 600,000 U*/g</td>
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<tr>
<td><em>B. licheniformis</em> spores</td>
<td>min. 1x10⁹ cfu/g</td>
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</tbody>
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Legal classification

EU Legal classification as Feed additive Identification number 4d12
Category: zootechnical additive (Functional group “other zootechnical additives”)

Storage/Shelf Life

Min. 24 months from the date of manufacture. 3 months in mash and pelleted feeds, 6 months in premixes.

Handling / Safety

Store in original closed packaging and in a cool, dry place (<25°C). For more details regarding the special handling requirements when applying CIBENZA EP150, please follow the guidelines set forth on the CIBENZA EP150 safety data sheet when handling the product.

Packagings

25kg aluminium bags fitted with a valve, producing a hermetrical seal inside the pack.

* One protease unit (U) is the amount of protease that liberates 1 μM of of paranitroaniline (pNA) from the Succinyl-Ala-Ala-Pro-Phe-pNA (C₃₀H₃₆N₆O₉) substrate per minute at pH 8.0 and 37°C.