

AQUAZYME-AD

AQU012

Aquafeed digestibility enhancer

PROPERTIES

- **AQUAZYME-AD** is a combination of efficient and purified enzymes, such as phytase, especially designated for aquaculture feed. Numerous publications and scientific studies have demonstrated the beneficial use of phytase on trout, salmon, tilapia, carp, catfish, sea bass, shrimp....
- Phytase of **AQUAZYME-AD** improves the use of others nutrients (proteins) and energy and therefore also improves FCR.
- **AQUAZYME-AD**, contains phytase which helps to release available phosphorus from phytic acid in vegetal feed ingredients which is an unavailable bound form of phosphorus found in these vegetal ingredients. Phytic acid also binds amino acids and other minerals, therefore reducing digestibility. High amounts of phytic acid leads to poor phosphorus assimilation, low growth rates and high phosphorus releases in the water, leading to water pollution.
- **AQUAZYME-AD** reduces the need for added mineral phosphate in diet formula therefore significantly reduces water pollution.
- **AQUAZYME-AD** at the recommended dosage, nearly doubled phosphorus retention and apparent digestibility of phosphorus of vegetable origin but also significantly increases crude protein digestibility.
- **AQUAZYME-AD** enables a better use of vegetal protein sources. Aquaculture species do not produce the necessary digestive enzymes for cereals such as wheat, rice, corn, contain long carbohydrate molecules, (Starch, Glucan, Xylan...) These carbohydrates might have also some anti nutritional properties (viscosity, encapsulation of nutrients).
- **AQUAZYME-AD** allows the breakdown of long carbohydrate molecules into easily assimilated short chain molecules. This enables an increase in the dietary content of metabolizable energy and an improvement in the FCR.

COMPOSITION (per kg of product)

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|--------------|-----------|-----------|---------------|
| Phytase: | 6 200 u/g | Amylase: | 900 u/g |
| Xylanase: | 1 000 u/g | Protease: | 220 u/g |
| β Glucanase: | 2 100 u/g | QSP: | Water soluble |

USE AND PRESENTATION

- **AQUAZYME-AD** is a water soluble brown powder
- Most of the enzymes are temperature sensitive and strongly affected or destroyed by feed processing. The only viable alternative is coating the feed by spraying a liquid enzyme preparation on the feed, followed or not by oil addition.
- Dissolve **AQUAZYME-AD** in water and then spray on pellets for coating at a rate of 40 to 60 grams of **AQUAZYME-AD** per ton of feed
- Store **AQUAZYM-AD** in a cool place at below 25°C.
- **AQUA TECHNA** will test and certify enzyme activity in your feed on request.

