

product description

Avizyme[®] 1502

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Avizyme 1502 is a feed enzyme system specifically developed for use in poultry diets based on corn or sorghum and soybean meal, and containing up to 20% wheat.

Rate of use:

For laying and breeding hen diets: 0.375 kg/tonne (0.0375%) of complete feed, included either directly or via a premix.

For other poultry applications: 0.5 kg/tonne (0.05%) of complete feed, included either directly or via a premix.

Guaranteed minimum activity:

600 U/g endo-1,4 beta xylanase EC 3.2.1.8; 8000 U/g subtilisin (protease) EC 3.4.21.62; 800 U/g alpha amylase EC 3.2.1.1. Analysis methods detailing assay conditions are available upon request.

Processing stability:

The feed enzyme system is adsorbed onto a specially prepared wheat carrier using a patented process, which ensures stability during pelleting. For optimum bioefficacy, do not exceed conditioning and pelleting temperatures of 85°C (185°F).

Storage stability:

Store in dry conditions. The constituent enzyme activities remain stable for at least 12 months when stored in original packaging at <22°C (<72°F) and 4 months when included in a vitamin/mineral premix and stored at <22°C (<72°F).

Ingredients:

Dried *Bacillus subtilis* fermentation product, dried *Trichoderma longibrachiatum* fermentation product, dried *Bacillus amyloliquifaciens* fermentation product, wheat flour, calcium propionate (preservative).

Characteristics:

Avizyme 1502 is supplied as a light brown, fine granular product as follows:

Particle size based on sieve fineness

	Approx %	
> 1400 micrometers	6	Bulk density - 650 kg/m ³
<1400 to > 125 micrometers	88	
< 125 micrometers	6	Moisture content - Maximum 12%

Particle size distribution studies by Method DIN 53734 indicate absence of particles less than 10 micrometers.

Safety and purity:

Avizyme 1502 contains enzymes produced by strains of *Trichoderma* and *Bacillus*. Enzymes are produced in accordance with FAO/WHO JECFA and FCC recommendations as follows:

Heavy metals	< 40 ppm	Aflatoxins	Negative by test
Lead	< 10 ppm	Antibiotic activity	Negative by test
Arsenic	< 3 ppm	Salmonella/25g	Negative by test
Cadmium	< 0.5 ppm	E. coli/25g	Negative by test
Mercury	< 0.5 ppm		

There are no viable producing micro-organisms in the final product. None of the ingredients is of animal origin.

Package sizes:

Avizyme 1502 is available in 25 kg multi-wall paper bags and in 1000 kg bulk (tote) bags.

Handling:

Provide for good ventilation and avoid dust formation. It is recommended to use protective glasses, respiratory mask and gloves during handling. In case of accidental contact with skin or eyes, the only action needed is copious flushing with water. See the Material Safety Data Sheet for further information.

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