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| \\DC\Sales\Enz-A-Bac\ADVANTA Products\Advanta Logos\Advanta HY.png | Product Profile  10/13/2017 |

**PRODUCT DESCRIPTION**

ADVANTA HY® is an additive obtained from fermentation of specific strains of *Saccharomyces cerevisiae* yeast using a process that stimulates cell disruption though endogenous and exogenous enzymes. It is an all-natural nutritional health product used in all types of animal diets.

QUALITY CERTIFICATION: OMRI Listed, GMO Free

AAFCO (Association of America Feed Control Officials) Number: 96.12

**INGREDIENT COMPOSITION**

High Digestibility Yeast, β-Glucan, MOS and Nucleotides

**GUARANTEED ANALYSIS**

* Crude Protein, min . . . . . . . . . . . . . . . . . 38.00%
* Lysine, min. . . . . . . . . . . . . . . . . . . . . . . . . 2.50%
* Methionine min . . . . . . . . . . . . . . . . . . . . . 0.46%
* Crude Fat, min. . . . . . . . . . . . . . . . . . . . . . 1.25%
* Crude Fiber, max. . . . . . . . . . . . . . . . . . . . 1.40%
* Moisture, max . . . . . . . . . . . . . . . . . . . . . . 6.00%
* Ash, max . . . . . . . . . . . . . . . . . . . . . . . . . . 7.50%
* Phosphorus, min . . . . . . . . . . . . . . . . . . . 0.068%
* Typical Analysis (as-fed). . . . . . . . . . . . . *See last page for nutrient profile*

**FEEDING DIRECTIONS**

ADVANTA HY® is a nutritional feed ingredient designed for the further manufacture of nutritionally balanced feeds for poultry, swine, equine, fish, shrimp, dairy cattle and beef cattle. General feeding recommendations are outlined on the next page.

**PHYSICAL CHARACTERISTICS & HANDLING**

ADVANTA HY® is a light brown, fine powder that mixes well with typical feed ingredients. The nutritional and handling characteristics are not affected by standard manufacturing processing methods or environmental temperature changes.

* Shelf Life: 24 months from date of manufacture
* Store in a clean, dry place, protected from light and moisture.
* Take precautions not to cross contaminate un-supplemented feeds

**ORDERING & TECHNICAL INFORMATION**

* Packaging: 55.115 lbs. (25 kg) Paper Bags with Polyethylene Liner.
* Customer Service: 877.736.1607
* Technical Information: call 877.736.1607 or email: enzabac@enzabac.com

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| Enzabac Advanced Products | ADVANTA HY® Spec Sheet | | | | | 10/13/2017 |
| **RECOMMENDED FEEDING RATES PER DAY** | | | | | |
| **Cattle** |  |  | **EQUINE** |  | |
| Calves | 5.0-10.0 g/head/day |  | Foals | .0625-.125 oz. (1.75-3.5 g) /head/day | |
| Beef Cattle | 10.0-20.0 g/head/day |  | Mares/Stallions | .25-.5 oz. (7-14 g)/head/day | |
| Dairy Cattle | 10.0-20.0 g/head/day |  | Show/Performance Horses | .25-.5 oz. (7-14g)/head/day | |
|  |  |  | Senior Horses | .25-.5 oz. (7-14g)/head/day | |
| **SWINE** |  |  | Draft Horses | .50- 1oz. (28g)/head/day | |
| Piglets | 0.25-3.0 kg/ton |  |  |  | |
| Growing/Finishing | 1.00-4.0 kg/ton |  | **Fish** | 5.0-20.0 kg/ton | |
| Pigs | 3.00-5.0 kg/ton |  | **Shrimp** | 5.0-20.0 kg/ton | |
| Sows (gestation) | 0.25-3.0 kg/ton |  |  |  | |
| Sows (lactation) | 0.25-3.0 kg/ton |  | **DOGS** |  | |
|  |  |  | All Life Stages | 5.0-20.0 kg/ton | |
| **POULTRY** |  |  |  |  | |
| ***Turkeys*** |  |  | **CATS** |  | |
| Initial Phases | 0.25–1.0 kg/ton |  | All Life Stages | 5.0-20.0 kg/ton | |
| Other Phases | 0.5-2.0 kg/ton |  |  |  | |
| ***Broilers*** |  |  |  |  | |
| Initial Phases | 0.25–1.0 kg/ton |  |  |  | |
| Other Phases | 0.5-2.0 kg/ton |  |  |  | |
| ***Layers*** |  |  |  |  | |
| Initial Phases | 0.25–1.0 kg/ton |  |  |  | |
| Other Phases | 0.5-2.0 kg/ton |  |  |  | |
| ***Breeders*** |  |  |  |  | |
| Initial Phases | 0.25–1.0 kg/ton |  |  |  | |
| Other Phases | 0.5-2.0 kg/ton |  |  |  | |
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| Enzabac Advanced Products | ADVANTA HY® Spec Sheet | | | | | | | 10/13/2017 |
| **Typical Analysis** | | | | | | | |
| **Ingredients** | |  |  | **Minerals** |  | |
| Hydrolyzed Yeast | |  |  | Calcium | 0.17% | |
|  | |  |  | Phosphorous | 0.56% | |
| **Guaranteed Analysis** | |  |  | Potassium | 0.10% | |
| Crude Protein | | Min. 40% |  | Magnesium | 0.22% | |
| Moisture | | Max. 8% |  | Sulfur | 0.28% | |
|  | |  |  | Chlorine | 0.00% | |
| **Typical Analysis** | |  |  | Sodium | 0.03% | |
| Total Glucomannans | | 34.0% |  | Zinc | 31.32 ppm | |
| Crude Protein | | 41.0% |  | Selenium | 0.02 ppm | |
| Nucleotides | | 3.5% |  | Copper | 4.42 ppm | |
| RNA | | 5.3% |  | Iron | 98.10 ppm | |
| β-Glucan | | 22.0% |  | Manganese | 21.92 ppm | |
| Mannan Oligosaccharides | | 12.0% |  | Cobalt | 0.00 ppm | |
| Moisture | | 5.0% |  | Lead | 0.00 ppm | |
| Ash | | 7.0% |  | Chromium | 1.31 ppm | |
| Fat | | 2.5% |  |  |  | |
| Crude Fiber | | 1.4% |  | **Vitamins** |  | |
|  | |  |  | Thiamine (B1) | 71.30 ppm | |
| **Amino Acids** | | (1) (2) (3) |  | Riboflavin (B2) | 32.00 ppm | |
| Alanine | | 2.73% 2.40% 2.16% |  | Niacin (B3) | 66.32 ppm | |
| Arginine | | 2.12% 1.94% 1.53% |  | Pantothenic Acid (B5) | 80.60 ppm | |
| Aspartic Acid | | 2.45% 4.11% 2.61% |  | Pyridoxine (B6) | 9.00 ppm | |
| Glycine | | 1.90% 1.70% 1.45% |  | Choline (B7) | 1,206.42 ppm | |
| Isoleucine | | 2.38% 2.14% 0.83% |  | Biotin (B8) | 3.12 ppm | |
| Leucine | | 3.30% 2.93% 1.30% |  | Folic Acid (B9) | 14.90 ppm | |
| Glutamic Acid | | 4.90% 4.49% 3.81% |  | Cobalamin (B12) | 0.90 ppm | |
| Lysine | | 3.51% 3.13% 2.56% |  |  |  | |
| Cysteine | | 0.33% 0.27% 0.20% |  | **Microbiological Analysis** |  | |
| Methionine | | 0.85% 0.76% 0.51% |  | Total Plate Count | <15,000 cfu/g | |
| Phenylalanine | | 1.93% 1.73% 0.86% |  | Total Coliforms | <10 mpn/g | |
| Tyrosine | | 1.50% 1.42% 1.18% |  | Fecal Coliforms | Absent | |
| Threonine | 2.38% 2.10% 1.21% | |  | Yeast | <100 cfu/g | |
| Tryptophan | | 0.43% N.E. N.E. |  | Mold | <100 cfu/g | |
| Proline | | 1.63% - 1.20% |  | *Salmonella* | Absent | |
| Valine | | 2.56% 2.22% 0.72% |  | *E. coli* | Absent | |
| Histidine | | 1.07% 1.01% 0.60% |  |  |  | |
| Serine | | 2.48% 2.21% 1.68% |  |  |  | |
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| (1) Total Amino Acids | | |  |  |  | |
| (2) Digestible Amino Acids in Swine | | |  |  |  | |
| (3) Digestible Amino Acids in Poultry | | |  |  |  | |
| N.E. – Not Evaluated | | |  |  |  | |
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| Due to many variables beyond our control, Enzabac Advanced Products makes no warrantees expressed or implied, concerning this product or its use beyond the description on the face hereof. In no event shall Enzabac Advanced Products be held responsible for consequential or incidental damages. | | | | | | |