



Hilyses® Product Data Sheet

PRODUCT DESCRIPTION

Hilyses (hydrolyzed yeast culture) is a unique feed additive developed by ICC using a specially selected strain of *Saccharomyces cerevisiae* cells that enhances the benefits of animal feeds. Hilyses is 100% pure yeast culture and does not contain genetically modified organisms (GMOs), fillers, or carriers. Unlike most yeast and yeast cell cultures, Hilyses is derived from sugarcane molasses and undergoes an exceptionally rigorous fermentation process and enzymatic hydrolysis during production.

This results in both the release of more cellular genetic material and a cell wall many times thicker than those found in traditional yeast products. The released nucleosides and nucleotides are the building blocks of the cell's ribonucleic acid (RNA) and help increase an animal's cell growth and immunity. The thicker cell walls in Hilyses components deliver more mannan oligosaccharides (MOS) and beta-glucans to bind pathogens in the hindgut and stimulate the immune system.

INGREDIENT

100% hydrolyzed yeast culture (*Saccharomyces cerevisiae*)

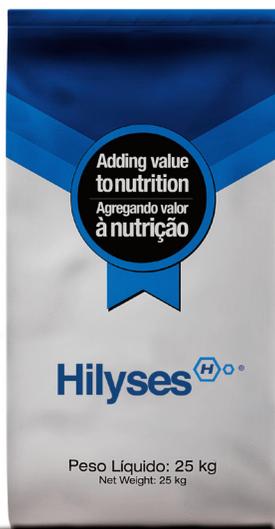
GUARANTEED ANALYSIS

| | |
|------------------------------------|------------------|
| Crude protein (min)..... | 40% (400 g/kg) |
| Free Nucleotides/Nucleosides | 6% (60 g/kg) |
| Beta Glucan..... | 23.5% (235 g/kg) |
| MOS | 15% (150 g/kg) |
| Crude fat (min)..... | 1% (10 g/kg) |
| Crude fiber (max)..... | 2% (20 g/kg) |
| Moisture (max)..... | 8% (80 g/kg) |

TOTAL AMINO ACIDS

| | |
|--------------------------|--------|
| Protein, crude..... | 39.90% |
| Alanine..... | 2.71% |
| Arginine..... | 1.52% |
| Aspartic acid | 3.91% |
| Glutamic acid | 4.41% |
| Glycine..... | 1.72% |
| Histidine..... | 0.84% |
| Isoleucine | 1.87% |
| Leucine..... | 2.68% |
| Lysine | 2.99% |
| Phenylalanine | 1.58% |
| Proline | 1.41% |
| Serine | 2.13% |
| Tyrosine | 1.32% |
| Valine | 2.23% |
| Threonine..... | 2.08% |
| Tryptophane | 0.48% |
| Cysteine + Cystine | 0.35% |
| Methionine..... | 0.58% |

Amino Acids, Total.....34.81%



PHYSICAL CHARACTERISTICS, HANDLING, AND STORAGE

- Appearance:** Beige-colored fine powder without lumps.
- Handling:** Avoid creating dust and exposure to high temperature or humidity.
- Storage:** Keep in a dry place away from moisture at room temperature.
- Shelf Life:** 18 months from date of manufacture.

FEEDING RECOMMENDATIONS

Hilyses is a highly flowable fine powder without lumps that mixes well with typical feed ingredients. It is a nutritional feed additive designed for use in further manufacture of balanced feeds for dairy and beef cattle, swine, poultry, horses, aquaculture species, dogs, and cats.

Recommended Feeding Rates:

CATTLE

- Dairy and beef calves:** 7 g/head/day
- Beef—grower/finishers:** 7-15 g/head/day
- Dairy:** 15-30 g/head/day

POULTRY

- Initial phases:** 11-22 lb (5-10 kg) per ton of feed
- Other phases:** 4.40-11 lb (2-5 kg) per ton of feed

SWINE

- Piglets:** 11-44 lb (5-20 kg) per ton of feed
- Grower/finishers:** 11-44 lb (5-20 kg) per ton of feed
- Sows:** 11-22 lb (5-10 kg) per ton of feed

AQUACULTURE

- Fish and shrimp:** 11-44 lb (5-20 kg) per ton of feed

HORSES

- All phases:** 6.6-11 lb (3-5 kg) per ton of feed

PETS

- Dogs:** 44-88 lb (20-40 kg) per ton of feed
- Cats:** 44-88 lb (20-40 kg) per ton of feed

These are general feeding recommendations. To adjust feeding rates based on pathogen load, feed quality, or stress level, contact your Hilyses representative for technical support.

PACKAGING

- Standard 55.1 lb (25 kg) bags.
- Bulk re-packaging and bagging offered.

ORDERING AND TECHNICAL INFORMATION

Contact a York Ag Products specialist at 1.800.632.1895 or info@hilyses.com.

For additional product information, please visit hilyses.com.

Contact your local York Ag Products representative at:

1060 Roosevelt Avenue
York, PA 17404-2833

Phone: 800.632.1895 or 717.843.9937
Fax: 717.845.7885

yorkag.com

Hilyses 
The Bionic Prebiotic

 **YORK AG PRODUCTS INC.**
 **ICC USA**