

# ADVANTA HSY 3000™

## SCIENCE & NATURE IN BALANCE

**ADVANTA HSY 3000** is produced from the introduction of selenium salt during active, aseptic, aerobic fermentation. During fermentation the temperature, pH, and percentage growth are closely regulated to ensure proper uptake of selenium. This process produces a primary grown high protein yeast, which is fortified with a biologically bound mineral composition. The resulting product is washed, separated and held in refrigerated storage to ensure cell viability and the absence of any “free” minerals. Prior to spray drying,

the chilled yeast cream is pasteurized through a high temperature sterilization system to assure that it meets or exceeds established U.S.D.A. food grade microbial requirements. Composite samples are collected during spray drying and packaging. The collected sample is analyzed for nutrient and microbial composition by an outside, independent, U.S.D.A. approved food and pharmaceutical grade laboratory. Once the product has met all QA/QC requirements it is released for sale with a supporting Certificate of Analysis.

**ADVANTA HSY 3000** is a more biologically-available source of selenium than the inorganic forms derived from sodium selenite or sodium selenate. Selenium is an essential mineral for animals and a must for production livestock. Selenomethionine is the primary source of selenium derived from **ADVANTA HSY 3000**. Selenomethionine is natural and metabolizes quickly in the body. Inorganic sources of selenium don't provide the same ability to be metabolized and are potentially more of a threat to our soil and water supply.

- **INDICATIONS FOR USE**

Ideal for dry, close-up and fresh cows, lactating cows and calf grains

- **YEAST STRAIN**

*Saccharomyces cerevisiae*

- **FORM**

Spray dried material must meet the following mesh screen requirements: 100% passage through 60 mesh screen and 90% passage through 100 mesh screen.

- **PACKAGING**

Product is packaged in 25-Kg 3-ply paper, 1 x 5ml poly bag.

	Typical Analysis:	Item Expected Range:
Selenium	3,000 ppm	2,900 - 3,100 ppm
Protein	50%	46 - 53%
P2O5	3.1%	2.5 - 3.4%
Moisture	6.0%	2.5 - 7.5%
Extraneous Material	Negative	Negative
Salmonella	Negative	Negative
E. Coli	Negative	Negative
Coli form	< 1 / gram	< 1 / gram
Aerobic Plate Count	< 12,500 gram	< 10,000-15,000/gram
Yeast/Mold	< 10 / gram	< 50 / gram
Certified: 100% Organically Bound (no free selenium)		



ADVANCED PRODUCTS®

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