

345 LUCK AVENUE • ROANOKE, VIRGINIA • **USA • 240**16
PO BOX 1523 • ROANOKE, VIRGINIA • **USA • 24007**540-344-**6469 • 540**-301-6451 FAX
www.americanbiosystems.com

PRODUCT SPECIFICATIONS SHEET

COMBOmate®

Manufacturer's Concentrate for use in Animal Feed

Ingredients: Dried *Aspergillus oryzae* fermentation product, dried *Bacillus subtilis* fermentation product, and Trichoderma longibrachiatum.

Guaranteed Analysis: Crude protein, greater than 12%; Crude fat, greater than 5%; Crude fiber, greater than 8%; Moisture, less than 10%.

Analysis: The product contains a minimum of the following:

Alpha Amylase 600 SKB/gm.
Bacterial Amylase 340 BAU/gm.
Cellulase 1200 CU/gm.

Total plate count *Bacillus subtilis*, not less than 1 billion CFU/gm.

Unit Definitions:

Alpha Amylase - One alpha-amylase dextrinizing unit (DU=SKB) is the quantity of α -amylase that will dextrinize soluble starch in the presence of an excess of beta-amylase at the rate of 1 gram per hour at 30°C.

Bacterial Amylase - One bacterial amylase unit (BAU) is defined as that quantity of enzyme which will dextrinize one milligram of starch per minute at pH 6.6 and 30°C.

Cellulase - One cellulase unit (CU) is defined as the amount of activity that will produce a relative fluidity change of 1 in 5 minutes in a defined carboxymethyl cellulose substrate under the conditions of the assay (pH4.5 and 40°C).

Recommended Inclusion Rate: For use in pelleted swine feeds. Suggested inclusion rate is 500 grams per metric ton of pelleted swine or poultry feeds.

Storage Conditions: Store in a cool dry area in closed original container. Keep from freezing. Protect against physical damage. Keep away from heat and flame.

Danger: May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult safety data sheet before handling and storing this product.

Package Sizes: 25 kg. and 50 lb. boxes

Many of these enzymes will survive processing at elevated temperatures. Care should be used to insure that a minimum of steam is used and that temperatures are no greater than that necessary to achieve desired results. Addition of soluble calcium will help improve the temperature stability of this product.

This feed is produced in a facility certified in the AFIA's Safe Feed/Safe Food Certification Program www.safefeedsafefood.org

MADE IN USA