

# DELTA $\Delta$ ANALYTICAL

## PRODUCT SPECIFICATION

### Cold Fusion™ FoodState® Vitamin B12 Concentrate

Product No. 100009

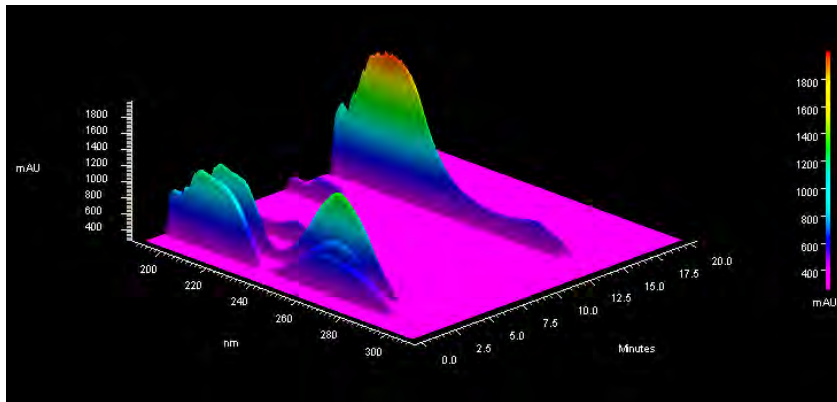
#### PRODUCT CHARACTERISTICS

Botanical Name  
Plant Part  
Description  
Flavor  
Preservatives

#### SPECIFICATION

*Saccharomyces cerevisiae*  
Whole Plant  
Fresh/Frozen *S. cerevisiae*  
Typical of *S. cerevisiae*  
None

#### Nutrient Peptide Chromatogram



#### Finished Raw Material



#### PHYSICAL DATA

Residual Moisture  
Bulk Density (Tapped)

#### METHOD

Thermogravimetric  
USP28<616>

#### SPECIFICATION

$3.5 \pm 1.5\%$   
 $0.75 \pm 0.10$  g/mL

#### NUTRITION INFORMATION

Vitamin B12  
  
Calories (per 100 grams)  
Total Fat  
Total Carbohydrate  
Protein

HPLC  
  
Calculation

0.5% Minimum  
  
318 kcal  
2% Maximum  
25% Minimum  
50% Minimum

#### MICROBIOLOGICAL PROFILE

Total Aerobic Plate Count  
*E. Coli*  
Total Coliforms  
Yeast & Mold

AOAC 966.23  
AOAC 991.14  
AOAC 991.14  
FDA-BAM 7<sup>th</sup> Ed.

10,000 per Gram Maximum  
Less than 10 per Gram Maximum  
1,000 per Gram Maximum  
300 per Gram Maximum

#### PACKAGING and STORAGE

Double poly bag with desiccant packs in a fiber drum. Cool dry storage (15-30°C).  
Pack Size: 50 kgs

ISSUED DATE: 11/16/05