

Certificate of Analysis

Glucan 300TM

Beta-1, 3-D glucan

A highly purified extract from baker's yeast

Origin: *Saccharomyces cerevisiae*

Physical Description: Fine beige/tan powder

Taste: Bland

Odor: Faint/mild

Lot #: 07323-01

Batch #: 7001

Expiration Date: 02/2014

<u>Composite Fraction</u>	<u>Current Specification²</u>	<u>Results</u>
Total Carbohydrates ¹	93.0 - 97.0	95.23%
Beta-1,3-D glucan complex ³	83.0 – 86.5	91.5%
Protein (F=6.25)	< 3.5	3.03%
Fat, Soxhlet (AACC)	< 3.0	0.22%
Ash/550C(AOAC)	< 2.0	1.52%
Aerobic Plate Count	< 20,000 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	< 3 cfu/g
<i>Salmonella sp</i>	Negative	Negative / 25g
Yeast and Mold	≤20 cfu/g combined	≤ 10 cfu/g combined

Notes:

1 By difference

2 Dry weight basis

3 Beta-1,3-D glucan complex includes side chains and is a portion of the carbohydrate fraction.

Series of testing done in house and confirmed with outside independent laboratories and institutions including Medallion Laboratories, Rtech Laboratories and The Johns Hopkins University.

Signed

A.J. Lanigan, Manufacturer

April 20, 2010