

**BulkActives**

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**CERTIFICATE OF ANALYSIS****Product Name:** Yeast  $\beta$ -D glucan**Date of Analysis :** Nov 2,2011**Botanical Name:** Yeast**Expiry Date :** Nov 1,2013**Batch Number:** 20111102**Quantity:** 336kg

Item	Specification	Result	Testing Method
Assay(Beta D 1,3/1,6 Glucan)	70% Min.	72.4%	Enzyme solution -UV
Protein	10%Max	2.1%	CP2005
Fat	3%Max	1.3%	CP2005
Physical & Chemical Control			
Appearance	Light yellow Fine Powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Tasted	Characteristic	Complies	Organoleptic
Sieve Analysis	100% pass 100 mesh	Complies	100mesh screen
Loss on Drying	8% Max.	2.7%	5g/100°C/2.5hrs
Ash	5% Max.	2.1%	2g/525°C/3hrs
Heavy Metal	10ppm Max	Complies	AAS
As	1ppm Max	Complies	AAS
Pb	2ppm Max	Complies	AAS
Hg	0.2ppm Max.	Complies	AAS
Pesticides Residues	1ppm Max.	Complies	GC
Microbiological			
Total Plate Count	1000/g Max.	Complies	CP2005
Yeast & Mould	25/g Max	Complies	CP2005
Salmonella and E.Coli	Negative	Complies	CP2005
Staphylococcus	Negative	Complies	CP2005
Conclusion	Complies with specification		
Storage	In cool & dry place. Keep away from strong light and heat.		
Shelf life	2 years when properly stored.		

**USABLE LIFE AND STORAGE**

Store in a cool and dry place. Keep away from strong light and heat. Store in tightly closed containers. When properly stored, this product has a usable life of 24 months from the date of production.

**LIMITATIONS**

This product is neither tested nor represented suitable for medical or pharmaceutical uses.

**LIMITED WARRANTY – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith based on BulkActives' research and information provided by manufacturers and distributors, and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customers' tests to insure that BulkActives' products are fully satisfactory for your specific applications. Our warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.