



Certificate of Analysis



Product Name: Wellmune WGP® Dispersible Powder
 Product No: F3005
 Lot No: 11089-021
 Manufacture Date: 30MAR11
 Exp. Date: 30MAR16
 Date COA Issued: 12AUG11

Attribute	Current Specification	Result	Method of Analysis
Origin:	A proprietary strain of non-GMO <i>Saccharomyces cerevisiae</i> *	Conforms	NA
Glucan Polysaccharide (beta 1,3/1,6) ¹	≥ 75% (dwb) ²	88%	Biothera SOP QC20440-00
Carbohydrates:	> 75%	81.53%	By Calculation
Appearance:	Fine beige/tan powder	Conforms	Biothera SOP QC20140-00
Taste:	Bland	Conforms	Biothera SOP QC20590-00
Odor:	Faint/mild	Conforms	Organoleptic
Protein:	< 3.5%	2.36%	AOAC 990.03
Fat:	< 10%	8.28%	AOAC 989.05
Ash:	< 3%	0.97%	AOAC 942.05
Moisture:	< 8%	6.86%	AOAC 925.45A
Aerobic Plate Count:	< 10,000 cfu/g	< 10 cfu/g	AOAC 966.23
Coliform:	< 3 MPN/g	< 3 MPN/g	AOAC 966.24
<i>Salmonella</i> sp:	Negative	Negative /25g	AOAC 2004.03
<i>E. coli</i> USP:	Negative /10g	Negative /10g	USP32, NF27, 2009.62
Yeast + Mold Total: with Yeast <100 cfu/g Mold <100cfu/g	≤ 100 cfu/g combined	< 10 cfu/g	FDA-BAM 7 th ed
<i>Staphylococcus aureus</i> :	Negative 10/g	Negative /10g	USP32, NF27, 2009.62
Lead	< 0.5 ppm	< 0.03 mg/kg	ICP-MS
Mercury	< 0.1 ppm	< 0.027 mg/kg	EPA 7471
Arsenic	< 1.0 ppm	< 0.047 mg/kg	ICP-MS
Cadmium	< 1.0 ppm	< 0.013 mg/kg	ICP-MS

Recommended Storage Conditions: Room Temperature, Cool, Dry Conditions
 Shelf Life: 5 Years From Date of Manufacture

¹ As glucose

² Content at time of analysis on a dry weight basis

* This Primary (non spent) Yeast is used because of the unique chemical structure of the β-1,3/1,6 glucan synthesized into the cell wall. The unique structure includes the frequency of side chains, the side chain lengths, and the ratio of different glycosidic linkages that contribute to primary, secondary, and tertiary structure

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Quality Assurance

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