



This is an amended version of report# 22-006544/D002.R001.  
Reason: Corrected yeast result, sample 1

**Customer:** Mushie LLC  
7455 36th Court  
Vero Beach Florida 32967  
United States of America (USA)

**Sample ID:** Complex (mushie DEFEND)

**Sample Matrix:** Powder

**Laboratory ID:** 22-006544-0004-00

**Temp:** 22.4 °C



### Sample Results

#### Metals

##### Heavy Metals Profile A

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.337	mg/kg	0.0192	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Cadmium	0.311	mg/kg	0.0192	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Lead	0.426	mg/kg	0.0192	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Mercury	0.0102	mg/kg	0.00958	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	

1) trace metals in food by Inductively Coupled Mass Spectrometry

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Staphylococcus aureus	< LOQ	cfu/g	100	06/08/22	AOAC 2003.07	

##### Micro Profile D, (M1010)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	< LOQ	cfu/g	100	06/09/22	AOAC 990.12 (Petrifilm)	
E.coli	< LOQ	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	

#### Nutrition

##### Beta-Glucan Profile (Yeast & Mushroom)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Alpha-glucan†	5.5	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Beta-glucan†	25.8	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Total-Glucan†	31.3	%	1.0	06/13/22	Novel Method <sub>2</sub>	

2) Megazyme - 1,3:1,6 Beta-Glucan



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**Customer:** Mushie LLC  
 7455 36th Court  
 Vero Beach Florida 32967  
 United States of America (USA)

**Sample ID:** Reishi (mushie UNWIND)

**Sample Matrix:** Powder

**Laboratory ID:** 22-006544-0003-00

**Temp:** 22.4 °C



### Sample Results

#### Metals

##### Heavy Metals Profile A

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.731	mg/kg	0.0167	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Cadmium	0.749	mg/kg	0.0167	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Lead	0.129	mg/kg	0.0167	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	
Mercury	0.0177	mg/kg	0.00837	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>	

1) trace metals in food by Inductively Coupled Mass Spectrometry

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Staphylococcus aureus	< LOQ	cfu/g	100	06/08/22	AOAC 2003.07	

##### Micro Profile D, (M1010)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	< LOQ	cfu/g	100	06/09/22	AOAC 990.12 (Petrifilm)	
E.coli	< LOQ	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	

#### Nutrition

##### Beta-Glucan Profile (Yeast & Mushroom)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Alpha-glucan†	2.1	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Beta-glucan†	18.3	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Total-Glucan†	20.4	%	1.0	06/13/22	Novel Method <sub>2</sub>	

2) Megazyme - 1,3:1,6 Beta-Glucan



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**Report Date:** 06/21/2022  
**Purchase Order:** 0010  
**Received:** 06/06/22 02:49 PM

**Project Number:** 1  
**Project Name:** ██████████ 6/22

**Abbreviations**

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not ISO accredited.

**Units of Measure**

cfu/g = Colony forming units per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

Approved Signatory

Derrick Tanner  
General Manager