

12423 NE Whitaker Way Portland, OR 97230 503-254-1794



 Report Number:
 22-006544/D002.R002

 Report Date:
 06/21/2022

 Purchase Order:
 0010

 Received:
 06/06/22
 02:49 PM

1

Project Number: Project Name:

6/22

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:	Lions Mane (mushie BRAINY)					
Sample Matrix:	Powder					
Laboratory ID:	22-006544-0002-00					
Temp:	22.4 °C					



# Sample Results

## Metals

Heavy Metals Profile A							
Analyte	Result	Units	LOQ	Analyzed	Method	Notes	
Arsenic	0.0660	mg/kg	0.0189	06/09/22	AOAC 2013.06 (mod.)1		
Cadmium	0.127	mg/kg	0.0189	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>		
Lead	0.111	mg/kg	0.0189	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>		
Mercury	<loq< td=""><td>mg/kg</td><td>0.00946</td><td>06/09/22</td><td>AOAC 2013.06 (mod.)<sub>1</sub></td><td></td></loq<>	mg/kg	0.00946	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>		

1) trace metals in food by Inductively Coupled Mass Spectrometry

			Microbio	logy		
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Staphylococcus aureus	<loq< td=""><td>cfu/g</td><td>100</td><td>06/08/22</td><td>AOAC 2003.07</td><td></td></loq<>	cfu/g	100	06/08/22	AOAC 2003.07	
Micro Profile D, (M1010)						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Aerobic Plate Count	700	cfu/g	100	06/09/22	AOAC 990.12 (Petrifilm)	
E.coli	<loq< td=""><td>cfu/g</td><td>100</td><td>06/09/22</td><td>AOAC 991.14 (Petrifilm)</td><td></td></loq<>	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	<loq< td=""><td>cfu/g</td><td>100</td><td>06/09/22</td><td>AOAC 991.14 (Petrifilm)</td><td></td></loq<>	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	100	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
			Nutritio	on		
Beta-Glucan Profile (Yeast	& Mushroom)					
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Alpha-glucan <sup>†</sup>	3.0	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Beta-glucan <sup>†</sup>	28.3	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Total-Glucan <sup>†</sup>	31.3	%	1.0	06/13/22	Novel Method <sub>2</sub>	

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

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Page 3 of 8

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Customer:	Mushie LLC 7455 36th Court Vero Beach Florida 32967 United States of America (USA)
Sample ID:	Cordyceps (mushie ENERGY)
Sample Matrix:	Powder
Laboratory ID:	22-006544-0001-00
Temp:	22.4 °C



## Sample Results

### Metals

Heavy Metals Profile A							
Result	Units	LOQ	Analyzed	Method	Notes		
0.202	mg/kg	0.0172	06/09/22	AOAC 2013.06 (mod.)1			
0.145	mg/kg	0.0172	06/09/22	AOAC 2013.06 (mod.)1			
0.0304	mg/kg	0.0172	06/09/22	AOAC 2013.06 (mod.)1			
< LOQ	mg/kg	0.00859	06/09/22	AOAC 2013.06 (mod.) <sub>1</sub>			
	0.202 0.145 0.0304	0.202 mg/kg 0.145 mg/kg 0.0304 mg/kg	0.202mg/kg0.01720.145mg/kg0.01720.0304mg/kg0.0172	0.202mg/kg0.017206/09/220.145mg/kg0.017206/09/220.0304mg/kg0.017206/09/22	0.202         mg/kg         0.0172         06/09/22         AOAC 2013.06 (mod.) <sub>1</sub> 0.145         mg/kg         0.0172         06/09/22         AOAC 2013.06 (mod.) <sub>1</sub> 0.0304         mg/kg         0.0172         06/09/22         AOAC 2013.06 (mod.) <sub>1</sub>		

1) trace metals in food by Inductively Coupled Mass Spectrometry

			Microbio	logy		
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Staphylococcus aureus	<loq< td=""><td>cfu/g</td><td>100</td><td>06/08/22</td><td>AOAC 2003.07</td><td></td></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< td=""><td>cfu/g</td><td>100</td><td>06/09/22</td><td>AOAC 991.14 (Petrifilm)</td><td></td></loq<>	cfu/g	100	06/09/22	AOAC 991.14 (Petrifilm)	
Mold (RAPID Petrifilm)	<loq< td=""><td>cfu/g</td><td>100</td><td>06/10/22</td><td>AOAC 2014.05 (RAPID)</td><td></td></loq<>	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
Yeast (RAPID Petrifilm)	<loq< td=""><td>cfu/g</td><td>100</td><td>06/10/22</td><td>AOAC 2014.05 (RAPID)</td><td></td></loq<>	cfu/g	100	06/10/22	AOAC 2014.05 (RAPID)	
			Nutritio	on		
Beta-Glucan Profile (Yeast	& Mushroom)					
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Alpha-glucan <sup>†</sup>	2.5	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Beta-glucan <sup>†</sup>	20.8	%	1.0	06/13/22	Novel Method <sub>2</sub>	
Total-Glucan <sup>†</sup>	23.3	%	1.0	06/13/22	Novel Method <sub>2</sub>	

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

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Page 2 of 8

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### 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.

<sup>†</sup> = 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

www.columbialaboratories.com

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