

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

 Report Number:
 22-006544/D002.R000

 Report Date:
 06/15/2022

 Purchase Order:
 0010

 Received:
 06/06/22
 02:49 PM

1

Project Number: Project Name:



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
Evidence of Cooling:	No
Temp:	22.4 °C
Relinquished by:	USPS



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.)1						
Cadmium	0.311	mg/kg	0.0192	06/09/22	AOAC 2013.06 (mod.) ₁						
Lead	0.426	mg/kg	0.0192	06/09/22	AOAC 2013.06 (mod.) ₁						
Mercury	0.0102	mg/kg	0.00958	06/09/22	AOAC 2013.06 (mod.) ₁						

1) trace metals in food by Inductively Coupled Mass Spectrometry

			Microbio	logy		
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< td=""><td>cfu/g</td><td>100</td><td>06/09/22</td><td>AOAC 990.12 (Petrifilm)</td><td></td></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)	
			Nutritio	on		
Beta-Glucan Profile (Yeast &	& Mushroom)					
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Alpha-glucan [†]	5.5	%	1.0	06/13/22	Novel Method ₂	
Beta-glucan [†]	25.8	%	1.0	06/13/22	Novel Method ₂	
Total-Glucan [†]	31.3	%	1.0	06/13/22	Novel Method ₂	

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

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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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.

[†] = 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

6/22

Derrick Tanner General Manager

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