



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

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 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



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

Project Number: 1
Project Name: [REDACTED] 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