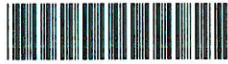




12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 24-009531/D001.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B1
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0001
Evidence of Cooling: No
Temp: 21.9 °C

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.189	mg/kg	0.0195	09/04/24 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0220	mg/kg	0.0195	09/04/24 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.683	mg/kg	0.0195	09/04/24 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0234	mg/kg	0.00973	09/04/24 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.32	mg/kg	0.0195	09/04/24 AOAC 2013.06 (mod.) ^p	20.0	pass	

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.

Threshold Note: limits based on AHPA recommended limits for unprocessed herbs and supplements and ingredients (10g daily consu

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

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

Approved Signatory

Derrick Tanner
General Manager



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B1
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0001
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	400	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0174	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.35	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

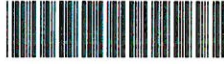
Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.348	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	27.0	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			



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

Report Number: 24-009531/D003.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
 3133 Tigar Run Ct Ste 104
 Carlsbad California 92010
 United States of America (USA)

Sample ID: LNK-L50-B2
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0002
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	300	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^P	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0169	%	0.0100	09/03/24 In house method by HPLC-DAD ^P			
Mitragynine	1.26	%	0.0500	09/03/24 In house method by HPLC-DAD ^P			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.338	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^P			
Mitragynine per Serving Size #1	25.2	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^P			

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.



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

Report Number: 24-009531/D004.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B3
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0003
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	3,700	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0215	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.37	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.430	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	27.4	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			

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.



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

Report Number: 24-009531/D005.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
 3133 Tigar Run Ct Ste 104
 Carlsbad California 92010
 United States of America (USA)

Sample ID: LNK-L50-B4
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0004
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	800	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

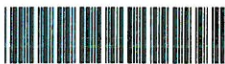
Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0189	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.24	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.378	mg/serv ing	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	24.8	mg/serv ing	1.00	09/06/24 In house method by HPLC-DAD ^p			



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B5
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0005
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	3,600	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0222	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.40	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.444	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	28.0	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			



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

Report Number: 24-009531/D007.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
 3133 Tigar Run Ct Ste 104
 Carlsbad California 92010
 United States of America (USA)

Sample ID: LNK-L50-B6
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0006
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^P	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0213	%	0.0100	09/03/24 In house method by HPLC-DAD ^P			
Mitragynine	1.35	%	0.0500	09/03/24 In house method by HPLC-DAD ^P			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.426	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^P			
Mitragynine per Serving Size #1	27.0	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^P			



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B7
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0007
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	2,400	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0224	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.38	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.448	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	27.6	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			



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

Report Number: 24-009531/D009.R000
Report Date: 09/09/2024
Purchase Order: andy082724
Received: 08/28/24 10:19 AM



Customer: Lamp Nutra
 3133 Tigar Run Ct Ste 104
 Carlsbad California 92010
 United States of America (USA)

Sample ID: LNK-L50-B8
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0008
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0226	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.41	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.452	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	28.2	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B9
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0009
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	2,500	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

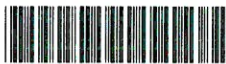
Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0330	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.42	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.660	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	28.4	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			



Customer: Lamp Nutra
3133 Tigar Run Ct Ste 104
Carlsbad California 92010
United States of America (USA)

Sample ID: LNK-L50-B10
Sample Matrix: Kratom powder
Laboratory ID: 24-009531-0010
Evidence of Cooling: No
Temp: 21.9 °C
Serving Size #1: 2 g

Sample Results

Microbiology

Micro Profile L

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	08/31/24 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	08/31/24 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	08/30/24 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/01/24 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	08/30/24 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/25g	-	08/30/24 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0234	%	0.0100	09/03/24 In house method by HPLC-DAD ^p			
Mitragynine	1.36	%	0.0500	09/03/24 In house method by HPLC-DAD ^p			

Mitragynine per serving

Mitragynine (+7OH) Serving Size 1

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine per Serving Size #1	0.468	mg/serving	0.200	09/06/24 In house method by HPLC-DAD ^p			
Mitragynine per Serving Size #1	27.2	mg/serving	1.00	09/06/24 In house method by HPLC-DAD ^p			