



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

Report Number: 25-005456/D096.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B1
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0001
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.535	mg/kg	0.0198	05/29/25 AOAC 2013.06 (mod.) [Ⓟ]	1.50	pass	
Cadmium	0.0215	mg/kg	0.0198	05/29/25 AOAC 2013.06 (mod.) [Ⓟ]	0.500	pass	
Lead	0.647	mg/kg	0.0198	05/29/25 AOAC 2013.06 (mod.) [Ⓟ]	1.00	pass	
Mercury	0.0181	mg/kg	0.00992	05/29/25 AOAC 2013.06 (mod.) [Ⓟ]	0.200	pass	
Nickel	2.05	mg/kg	0.0198	05/29/25 AOAC 2013.06 (mod.) [Ⓟ]	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	400	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) [Ⓟ]	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) [Ⓟ]	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) [Ⓟ]	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 [Ⓟ]	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 [Ⓟ]	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0318	%	0.0100	05/23/25 In house method by HPLC-DAD [Ⓟ]			Q7
@ 2 g	0.636	mg/2g	0.200	05/23/25 In house method by HPLC-DAD [Ⓟ]			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD [Ⓟ]			
Mitragynine	1.40	%	0.0500	05/23/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	27.9	mg/2g	1.00	05/23/25 In house method by HPLC-DAD [Ⓟ]			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.213	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.308	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.200	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.15	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.340	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cyhalothrin, lambda	0.469	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cypermethrin (sum)	0.327	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D121.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B2
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0002
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.387	mg/kg	0.0168	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0202	mg/kg	0.0168	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.751	mg/kg	0.0168	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0199	mg/kg	0.00842	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	1.98	mg/kg	0.0168	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0288	%	0.0100	05/23/25 In house method by HPLC-DAD ^p			Q7
@ 2 g	0.576	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^p			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Mitragynine	1.34	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
@ 2 g	26.7	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^p			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Paynantheine	0.200	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciociliatine	0.300	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciogyneine	0.176	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Total Alkaloids	2.04	%	-	05/29/25 In house method by HPLC-DAD ^P			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.561	mg/kg	05/29/25	AOAC 2007.01 ^P	
Cyhalothrin, lambda	0.785	mg/kg	05/29/25	AOAC 2007.01 ^P	
Cypermethrin (sum)	0.412	mg/kg	05/29/25	AOAC 2007.01 ^P	
Thiamethoxam	0.163	mg/kg	05/29/25	AOAC 2007.01 ^P	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

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

Units of Measure

/25g = Per 25g

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

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

Sample ID: LNK-L55-B3
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0003
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.255	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0174	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.266	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0196	mg/kg	0.00869	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.63	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	800	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0252	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.505	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.34	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	26.8	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.201	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.237	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciogynine	0.165	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.97	%	-	05/29/25 In house method by HPLC-DAD [‡]			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.238	mg/kg	05/29/25	AOAC 2007.01 [‡]	
Cyhalothrin, lambda	0.356	mg/kg	05/29/25	AOAC 2007.01 [‡]	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

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[‡] = ISO/IEC 17025:2017 accredited method.

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D125.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B4
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0004
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	05/27/25	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.198	mg/kg	0.0195	05/27/25	AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0234	mg/kg	0.0195	05/27/25	AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.659	mg/kg	0.0195	05/27/25	AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0174	mg/kg	0.00976	05/27/25	AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.12	mg/kg	0.0195	05/27/25	AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	05/24/25	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	300	cfu/g	100	05/24/25	AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25	AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25	AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25	AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25	AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25	AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25	AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	05/23/25	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0262	%	0.0100	05/23/25	In house method by HPLC-DAD ^p			Q7
@ 2 g	0.523	mg/2g	0.200	05/23/25	In house method by HPLC-DAD ^p			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25	In house method by HPLC-DAD ^p			
Mitragynine	1.27	%	0.0500	05/23/25	In house method by HPLC-DAD ^p			
@ 2 g	25.4	mg/2g	1.00	05/23/25	In house method by HPLC-DAD ^p			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.200	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.262	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.171	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.93	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.266	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D126.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B5
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0005
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.230	mg/kg	0.0171	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0211	mg/kg	0.0171	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.672	mg/kg	0.0171	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0220	mg/kg	0.00857	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.31	mg/kg	0.0171	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	900	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0275	%	0.0100	05/23/25 In house method by HPLC-DAD ^p			Q7
@ 2 g	0.549	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^p			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Mitragynine	1.31	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
@ 2 g	26.2	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^p			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.209	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.310	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.177	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.03	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	1.53	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D127.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B6
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0006
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.268	mg/kg	0.0186	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0220	mg/kg	0.0186	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.497	mg/kg	0.0186	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0176	mg/kg	0.00929	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.12	mg/kg	0.0186	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	300	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0290	%	0.0100	05/23/25 In house method by HPLC-DAD ^p			Q7
@ 2 g	0.580	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^p			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Mitragynine	1.36	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
@ 2 g	27.3	mg/2g	1.00	05/23/25 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.

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Paynantheine	0.200	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciociliatine	0.279	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciogynine	0.178	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Total Alkaloids	2.05	%	-	05/29/25 In house method by HPLC-DAD ^P			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.239	mg/kg	05/29/25	AOAC 2007.01 ^P	
Permethrin	0.163	mg/kg	05/29/25	AOAC 2007.01 ^P	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D122.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B7
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0007
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.392	mg/kg	0.0184	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0200	mg/kg	0.0184	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.514	mg/kg	0.0184	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0208	mg/kg	0.00918	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.72	mg/kg	0.0184	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0314	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.627	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.53	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	30.5	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.229	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.289	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciognynine	0.203	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.28	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.115	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cypermethrin (sum)	0.857	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D124.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B8
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0008
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.320	mg/kg	0.0191	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0215	mg/kg	0.0191	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.389	mg/kg	0.0191	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0186	mg/kg	0.00954	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.03	mg/kg	0.0191	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	200	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0387	%	0.0100	05/23/25 In house method by HPLC-DAD ^p			Q7
@ 2 g	0.774	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^p			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Mitragynine	1.28	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
@ 2 g	25.7	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^p			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.212	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.265	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.175	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.97	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.225	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cyhalothrin, lambda	0.305	mg/kg	05/29/25	AOAC 2007.01 ^p	
Permethrin	0.177	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D123.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B9
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0009
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.162	mg/kg	0.0198	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0238	mg/kg	0.0198	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.470	mg/kg	0.0198	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0205	mg/kg	0.00990	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.36	mg/kg	0.0198	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0584	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	1.17	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.23	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	24.5	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.189	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.268	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.160	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.91	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.275	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D095.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B10
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0010
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.238	mg/kg	0.0181	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0198	mg/kg	0.0181	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.549	mg/kg	0.0181	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0200	mg/kg	0.00905	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.54	mg/kg	0.0181	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	200	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0417	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.834	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.29	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	25.9	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.198	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.303	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciogynine	0.170	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	2.00	%	-	05/29/25 In house method by HPLC-DAD [‡]			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cyhalothrin, lambda	0.138	mg/kg	05/29/25	AOAC 2007.01 [‡]	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

‡ = ISO/IEC 17025:2017 accredited method.

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D100.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B11
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0011
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.154	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	< LOQ	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.758	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0160	mg/kg	0.00868	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.92	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	300	cfu/g	100	05/24/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/25/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/23/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0355	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.710	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.25	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	25.0	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.195	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.269	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogynine	0.139	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.89	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.237	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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



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

Report Number: 25-005456/D101.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B12
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0012
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.322	mg/kg	0.0163	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0185	mg/kg	0.0163	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.474	mg/kg	0.0163	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0207	mg/kg	0.00813	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.11	mg/kg	0.0163	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	700	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0371	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.743	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.35	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	26.9	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

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.

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Paynantheine	0.208	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciociliatine	0.292	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciogynine	0.183	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Total Alkaloids	2.07	%	-	05/29/25 In house method by HPLC-DAD ^P			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.197	mg/kg	05/29/25	AOAC 2007.01 ^P	
Cyhalothrin, lambda	0.323	mg/kg	05/29/25	AOAC 2007.01 ^P	
Cypermethrin (sum)	0.228	mg/kg	05/29/25	AOAC 2007.01 ^P	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

/25g = Per 25g

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

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

Sample ID: LNK-L55-B13
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0013
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.166	mg/kg	0.0183	05/27/25 AOAC 2013.06 (mod.) [Ⓟ]	1.50	pass	
Cadmium	< LOQ	mg/kg	0.0183	05/27/25 AOAC 2013.06 (mod.) [Ⓟ]	0.500	pass	
Lead	0.486	mg/kg	0.0183	05/27/25 AOAC 2013.06 (mod.) [Ⓟ]	1.00	pass	
Mercury	0.0211	mg/kg	0.00914	05/27/25 AOAC 2013.06 (mod.) [Ⓟ]	0.200	pass	
Nickel	2.25	mg/kg	0.0183	05/27/25 AOAC 2013.06 (mod.) [Ⓟ]	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	500	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) [Ⓟ]	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 [Ⓟ]	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 [Ⓟ]	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0356	%	0.0100	05/23/25 In house method by HPLC-DAD [Ⓟ]			Q7
@ 2 g	0.712	mg/2g	0.200	05/23/25 In house method by HPLC-DAD [Ⓟ]			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD [Ⓟ]			
Mitragynine	1.33	%	0.0500	05/23/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	26.6	mg/2g	1.00	05/23/25 In house method by HPLC-DAD [Ⓟ]			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Paynantheine	0.204	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciociliatine	0.253	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Speciogynine	0.175	%	0.0500	05/23/25 In house method by HPLC-DAD ^P			
Total Alkaloids	2.00	%	-	05/29/25 In house method by HPLC-DAD ^P			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.243	mg/kg	05/29/25	AOAC 2007.01 ^P	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

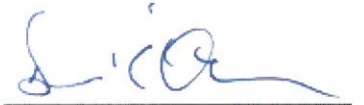
/25g = Per 25g

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



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

Report Number: 25-005456/D097.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B14
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0014
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.377	mg/kg	0.0180	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0221	mg/kg	0.0180	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.436	mg/kg	0.0180	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0201	mg/kg	0.00901	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.25	mg/kg	0.0180	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,100	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0354	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.707	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.40	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	27.9	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.219	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.297	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogyneine	0.190	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.14	%	-	05/29/25 In house method by HPLC-DAD ^p			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.278	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cyhalothrin, lambda	0.371	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

Glossary of Qualifiers

Q7: Quality control outside limits.

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

Units of Measure

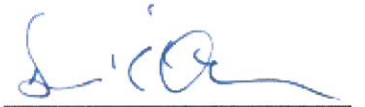
/25g = Per 25g

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



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

Report Number: 25-005456/D099.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B15
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0015
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.211	mg/kg	0.0173	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0206	mg/kg	0.0173	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.813	mg/kg	0.0173	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0193	mg/kg	0.00865	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.87	mg/kg	0.0173	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,600	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0326	%	0.0100	05/23/25 In house method by HPLC-DAD ^b			Q7
@ 2 g	0.651	mg/2g	0.200	05/23/25 In house method by HPLC-DAD ^b			Q7
Isorhynchophylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
Mitragynine	1.24	%	0.0500	05/23/25 In house method by HPLC-DAD ^b			
@ 2 g	24.8	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.199	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.281	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Speciogyneine	0.169	%	0.0500	05/23/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.92	%	-	05/29/25 In house method by HPLC-DAD [‡]			Q7

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	mg/kg	05/29/25	AOAC 2007.01 [‡]	

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

Glossary of Qualifiers

Q7: Quality control outside limits.

[‡] = ISO/IEC 17025:2017 accredited method.

Units of Measure

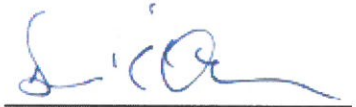
/25g = Per 25g

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

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

Sample ID: LNK-L55-B16
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0016
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.226	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0185	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.697	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0193	mg/kg	0.00858	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	2.61	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0349	%	0.0100	05/28/25 In house method by HPLC-DAD ^b			
@ 2 g	0.699	mg/2g	0.200	05/28/25 In house method by HPLC-DAD ^b			
Isorhynchophylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^b			
Mitragynine	1.43	%	0.0500	05/28/25 In house method by HPLC-DAD ^b			
@ 2 g	28.6	mg/2g	1.00	05/28/25 In house method by HPLC-DAD ^b			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^P			
Paynantheine	0.217	%	0.0500	05/28/25 In house method by HPLC-DAD ^P			
Speciociliatine	0.297	%	0.0500	05/28/25 In house method by HPLC-DAD ^P			
Speciogynine	0.188	%	0.0500	05/28/25 In house method by HPLC-DAD ^P			
Total Alkaloids	2.17	%	-	05/29/25 In house method by HPLC-DAD ^P			

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes	mg/kg	05/29/25	AOAC 2007.01 ^P	

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

/25g = Per 25g

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

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

Sample ID: LNK-L55-B17
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0017
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.226	mg/kg	0.0154	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	< LOQ	mg/kg	0.0154	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.619	mg/kg	0.0154	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0216	mg/kg	0.00772	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.37	mg/kg	0.0154	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	200	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0350	%	0.0100	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	0.700	mg/2g	0.200	05/28/25 In house method by HPLC-DAD ^p			
Isorhynchophylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Mitragynine	1.44	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	28.8	mg/2g	1.00	05/28/25 In house method by HPLC-DAD ^p			

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Paynantheine	0.219	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.295	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Speciogynine	0.192	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.18	%	-	05/29/25 In house method by HPLC-DAD ^p			

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Clothianidin	0.106	mg/kg	05/29/25	AOAC 2007.01 ^p	
Cyhalothrin, lambda	0.124	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

/25g = Per 25g

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



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

Report Number: 25-005456/D108.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B19
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0019
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.175	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0199	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.508	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0197	mg/kg	0.00869	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	3.10	mg/kg	0.0174	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	700	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0400	%	0.0100	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	0.800	mg/2g	0.200	05/28/25 In house method by HPLC-DAD ^p			
Isorhynchophylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Mitragynine	1.43	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	28.6	mg/2g	1.00	05/28/25 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: 25-005456/D108.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Paynantheine	0.212	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.258	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Speciogynine	0.182	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Total Alkaloids	2.12	%	-	05/29/25 In house method by HPLC-DAD ^p			

Pesticides

P2320 Multi-Residue Pesticide Profile

Analyte	Result	Units	Analyzed	Method	Notes
Cypermethrin (sum)	0.289	mg/kg	05/29/25	AOAC 2007.01 ^p	

All compounds on the attached sheet were found to be <LOQ except those listed

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

/25g = Per 25g

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

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: 25-005456/D109.R000
Report Date: 05/30/2025
Purchase Order: andy052025
Received: 05/21/25 10:13 AM

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

Sample ID: LNK-L55-B20
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0020
Evidence of Cooling: No
Temp: 18.9 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.274	mg/kg	0.0188	05/27/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0292	mg/kg	0.0188	05/27/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.663	mg/kg	0.0188	05/27/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0238	mg/kg	0.00940	05/27/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.57	mg/kg	0.0188	05/27/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Micro Profile

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	900	cfu/g	100	05/25/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	05/25/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	05/24/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	05/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	05/25/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0411	%	0.0100	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	0.822	mg/2g	0.200	05/28/25 In house method by HPLC-DAD ^p			
Isorhynchophylline	< LOQ	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
Mitragynine	1.46	%	0.0500	05/28/25 In house method by HPLC-DAD ^p			
@ 2 g	29.3	mg/2g	1.00	05/28/25 In house method by HPLC-DAD ^p			