



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

Report Number: 25-004267/D001.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM

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

Sample ID: LNK-L54-B1
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0001
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.247	mg/kg	0.0197	04/24/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0533	mg/kg	0.0197	04/24/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.600	mg/kg	0.0197	04/24/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0185	mg/kg	0.00984	04/24/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.52	mg/kg	0.0197	04/24/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	10,700	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	100	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	100	cfu/g	100	04/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	600	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0231	%	0.0100	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	0.462	mg/2g	0.200	04/25/25 In house method by HPLC-DAD ^b			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
Mitragynine	0.954	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	19.1	mg/2g	1.00	04/25/25 In house method by HPLC-DAD ^b			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.137	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.140	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciogyneine	0.120	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.37	%	-	04/29/25 In house method by HPLC-DAD [‡]			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Acetamiprid	0.219	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Carbaryl	0.106	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Cyhalothrin, lambda	0.108	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Cypermethrin and isomers (sum)	1.23	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Thiophanate-methyl	1.28	mg/kg	0.100	04/29/25 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

[‡] = 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: 25-004267/D002.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM

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

Sample ID: LNK-L54-B2
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0002
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.190	mg/kg	0.0186	04/24/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0401	mg/kg	0.0186	04/24/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.289	mg/kg	0.0186	04/24/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0146	mg/kg	0.00928	04/24/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.35	mg/kg	0.0186	04/24/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	19,700	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	1,100	cfu/g	100	04/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	2,600	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0183	%	0.0100	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	0.366	mg/2g	0.200	04/25/25 In house method by HPLC-DAD ^b			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
Mitragynine	0.926	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	18.5	mg/2g	1.00	04/25/25 In house method by HPLC-DAD ^b			



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Purchase Order: andy042125
Received: 04/22/25 09:46 AM

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analized Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.123	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.117	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciogyneine	0.0931	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.28	%	-	04/29/25 In house method by HPLC-DAD [‡]			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analized Method	Threshold	Pass/Fail	Notes
Bifenthrin	0.143	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Cyhalothrin, lambda	0.123	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Cypermethrin and isomers (sum)	1.39	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Thiophanate-methyl	1.52	mg/kg	0.100	04/29/25 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

[‡] = 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: 25-004267/D003.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM

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

Sample ID: LNK-L54-B3
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0003
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.347	mg/kg	0.0185	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	1.50	pass	
Cadmium	0.0607	mg/kg	0.0185	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	0.500	pass	
Lead	0.274	mg/kg	0.0185	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	1.00	pass	
Mercury	0.0152	mg/kg	0.00927	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	0.200	pass	
Nickel	1.11	mg/kg	0.0185	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	47,600	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) [Ⓟ]	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	100	pass	
Total Coliforms	200	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	10,000	pass	
Enterobacteriaceae	2,500	cfu/g	100	04/24/25 AOAC 2003.01 [Ⓟ]	10,000	pass	
Mold (RAPID Petrifilm)	23,000	cfu/g	1,000	04/28/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 [Ⓟ]	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0272	%	0.0100	04/25/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	0.544	mg/2g	0.200	04/25/25 In house method by HPLC-DAD [Ⓟ]			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [Ⓟ]			
Mitragynine	1.14	%	0.0500	04/25/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	22.8	mg/2g	1.00	04/25/25 In house method by HPLC-DAD [Ⓟ]			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.170	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.0604	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciogyneine	0.141	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.54	%	-	04/29/25 In house method by HPLC-DAD [‡]			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Carbaryl	0.142	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Clothianidin	0.169	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Cypermethrin and isomers (sum)	7.48	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Thiophanate-methyl	8.20	mg/kg	0.100	04/29/25 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

[‡] = 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: 25-004267/D004.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM

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

Sample ID: LNK-L54-B4
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0004
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.348	mg/kg	0.0196	04/24/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.114	mg/kg	0.0196	04/24/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.284	mg/kg	0.0196	04/24/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0238	mg/kg	0.00978	04/24/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.22	mg/kg	0.0196	04/24/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	16,400	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	200	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	700	cfu/g	100	04/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	33,000	cfu/g	1,000	04/28/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0207	%	0.0100	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	0.414	mg/2g	0.200	04/25/25 In house method by HPLC-DAD ^b			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
Mitragynine	1.07	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	21.4	mg/2g	1.00	04/25/25 In house method by HPLC-DAD ^b			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Paynantheine	0.159	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.108	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciogynine	0.119	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.48	%	-	04/29/25 In house method by HPLC-DAD ^p			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Acetamiprid	0.213	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Carbaryl	0.284	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Cypermethrin and isomers (sum)	1.75	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Thiophanate-methyl	7.44	mg/kg	0.100	04/29/25 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

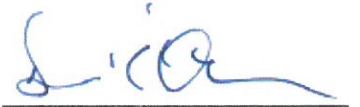
/25g = Per 25g

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-L54-B5
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0005
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.396	mg/kg	0.0189	04/24/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0452	mg/kg	0.0189	04/24/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.341	mg/kg	0.0189	04/24/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0217	mg/kg	0.00943	04/24/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.17	mg/kg	0.0189	04/24/25 AOAC 2013.06 (mod.) ^b	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	13,400	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	100	cfu/g	100	04/24/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	3,700	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 ^b	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0273	%	0.0100	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	0.546	mg/2g	0.200	04/25/25 In house method by HPLC-DAD ^b			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
Mitragynine	0.952	%	0.0500	04/25/25 In house method by HPLC-DAD ^b			
@ 2 g	19.0	mg/2g	1.00	04/25/25 In house method by HPLC-DAD ^b			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Paynantheine	0.139	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.0732	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciogynine	0.118	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.31	%	-	04/29/25 In house method by HPLC-DAD ^p			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Bifenthrin	0.668	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Carbaryl	0.222	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Clothianidin	0.238	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Cypermethrin and isomers (sum)	1.61	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Fenbutatin oxide	2.64	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Thiophanate-methyl	1.85	mg/kg	0.100	04/29/25 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



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

Report Number: 25-005459/D001.R001
Report Date: 05/30/2025
Purchase Order: andy052125
Received: 05/21/25 10:01 AM

This is an amended version of report# 25-005459/D001.R000.
 Reason: Removed ORELAP pesticide limit comparison

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

Sample ID: LNK-L54-B6
Sample Matrix: Kratom powder
Laboratory ID: 25-005459-0001
Evidence of Cooling: No
Temp: 19.8 °C
Serving Size #1: 2 g

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.207	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	1.50	pass	
Cadmium	0.0730	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	0.500	pass	
Lead	0.435	mg/kg	0.0172	05/27/25 AOAC 2013.06 (mod.) ^b	1.00	pass	
Mercury	0.0222	mg/kg	0.00862	05/27/25 AOAC 2013.06 (mod.) ^b	0.200	pass	
Nickel	1.41	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	80,000	cfu/g	10,000	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	1,800	cfu/g	100	05/24/25 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Enterobacteriaceae	2,500	cfu/g	100	05/23/25 AOAC 2003.01 ^b	10,000	pass	
Mold (RAPID Petrifilm)	5,000	cfu/g	1,000	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

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: 25-005459/D001.R001
 Report Date: 05/30/2025
 Purchase Order: andy052125
 Received: 05/21/25 10:01 AM

Mitragynine

Mitragynine Full Alkaloid Panel

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Isorhynchophylline	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	1.18	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
@ 2 g	23.7	mg/2g	1.00	05/23/25 In house method by HPLC-DAD ^p			
Mitraphylline	< LOQ	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Paynantheine	0.134	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.108	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Speciogyne	0.118	%	0.0500	05/23/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.57	%	-	05/28/25 In house method by HPLC-DAD ^p			Q7

Pesticides

Pesticides Oregon

Method: AOAC 2007.01 & EN 15662 (mod)^p

Unit: mg/kg

Analyzed: 05/27/25

Analyte	Result	LOQ	Threshold	Pass/Fail	Notes	Analyte	Result	LOQ	Threshold	Pass/Fail	Notes
Abamectin	< LOQ	0.25	-	-		Acephate	< LOQ	0.20	-	-	
Acequinocyl	< LOQ	1.0	-	-		Acetamiprid	0.12	0.10	-	-	
Aldicarb	< LOQ	0.20	-	-		Azoxystrobin	< LOQ	0.10	-	-	
Bifenazate	< LOQ	0.10	-	-		Bifenthrin	< LOQ	0.10	-	-	
Boscalid	< LOQ	0.20	-	-		Carbaryl	0.25	0.10	-	-	
Carbofuran	< LOQ	0.10	-	-		Chlorantraniliprole	< LOQ	0.10	-	-	
Chlorfenapyr	< LOQ	0.50	-	-		Chlorpyrifos-ethyl	< LOQ	0.10	-	-	
Clofentezine	< LOQ	0.10	-	-		Cyfluthrin (sum)	< LOQ	0.50	-	-	
Cypermethrin (sum)	< LOQ	0.50	-	-		Daminozide	< LOQ	0.50	-	-	
Diazinon	< LOQ	0.10	-	-		Dichlorvos	< LOQ	0.50	-	-	
Dimethoate	< LOQ	0.10	-	-		Ethoprophos	< LOQ	0.10	-	-	
Etofenprox	< LOQ	0.20	-	-		Etoxazole	< LOQ	0.10	-	-	
Fenoxycarb	< LOQ	0.10	-	-		Fenpyroximate	< LOQ	0.20	-	-	
Fipronil	< LOQ	0.20	-	-		Flonicamid	< LOQ	0.40	-	-	
Fludioxonil	< LOQ	0.20	-	-		Hexythiazox	< LOQ	0.40	-	-	
Imazalil	< LOQ	0.10	-	-		Imidacloprid	< LOQ	0.20	-	-	
Kresoxim-methyl	< LOQ	0.20	-	-		Malathion	< LOQ	0.10	-	-	
Metalaxyl	< LOQ	0.10	-	-		Methiocarb	< LOQ	0.10	-	-	
Methomyl	< LOQ	0.20	-	-		MGK-264	< LOQ	0.10	-	-	
Myclobutanil	< LOQ	0.10	-	-		Naled	< LOQ	0.25	-	-	
Oxamyl	< LOQ	0.50	-	-		Paclobutrazole	< LOQ	0.20	-	-	
Parathion-methyl	< LOQ	0.10	-	-		Permethrin	< LOQ	0.10	-	-	
Phosmet	< LOQ	0.10	-	-		Piperonyl butoxide	< LOQ	1.0	-	-	
Prallethrin	< LOQ	0.10	-	-		Propiconazole	< LOQ	0.20	-	-	
Propoxur	< LOQ	0.10	-	-		Pyrethrin I (total)	< LOQ	0.50	-	-	
Pyridaben	< LOQ	0.10	-	-		Spinosad	< LOQ	0.10	-	-	
Spiromesifen	< LOQ	0.10	-	-		Spirotetramat	< LOQ	0.10	-	-	

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.

Pesticides

Pesticides Oregon

Method: AOAC 2007.01 & EN 15662 (mod)^p

Unit: mg/kg

Analyzed: 05/27/25

Analyte	Result	LOQ	Threshold	Pass/Fail	Notes	Analyte	Result	LOQ	Threshold	Pass/Fail	Notes
Spirooxamine	< LOQ	0.20	-	-		Tebuconazole	< LOQ	0.20	-	-	
Thiacloprid	< LOQ	0.10	-	-		Thiamethoxam	< LOQ	0.10	-	-	
Trifloxystrobin	< LOQ	0.10	-	-							

1) Pesticides by HPLC/MS/MS

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

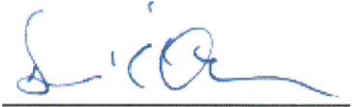
/25g = Per 25g

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-L54-B7
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0007
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.494	mg/kg	0.0191	04/24/25 AOAC 2013.06 (mod.) ^p	1.50	pass	
Cadmium	0.0476	mg/kg	0.0191	04/24/25 AOAC 2013.06 (mod.) ^p	0.500	pass	
Lead	0.267	mg/kg	0.0191	04/24/25 AOAC 2013.06 (mod.) ^p	1.00	pass	
Mercury	0.0179	mg/kg	0.00955	04/24/25 AOAC 2013.06 (mod.) ^p	0.200	pass	
Nickel	2.86	mg/kg	0.0191	04/24/25 AOAC 2013.06 (mod.) ^p	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	30,900	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	300	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Enterobacteriaceae	1,000	cfu/g	100	04/24/25 AOAC 2003.01 ^p	10,000	pass	
Mold (RAPID Petrifilm)	18,000	cfu/g	1,000	04/28/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 ^p	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0214	%	0.0100	04/25/25 In house method by HPLC-DAD ^p			
@ 2 g	0.429	mg/2g	0.200	04/25/25 In house method by HPLC-DAD ^p			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Mitragynine	0.998	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
@ 2 g	20.0	mg/2g	1.00	04/25/25 In house method by HPLC-DAD ^p			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Paynantheine	0.150	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciociliatine	0.0615	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Speciogynine	0.108	%	0.0500	04/25/25 In house method by HPLC-DAD [‡]			
Total Alkaloids	1.34	%	-	04/29/25 In house method by HPLC-DAD [‡]			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Cypermethrin and isomers (sum)	5.08	mg/kg	0.100	04/29/25 AOAC 2007.01 [‡]			
Thiophanate-methyl	0.179	mg/kg	0.100	04/29/25 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

[‡] = 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: 25-004267/D008.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM

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

Sample ID: LNK-L54-B8
Sample Matrix: Kratom powder
Laboratory ID: 25-004267-0008
Evidence of Cooling: No
Temp: 17.4 °C
Serving Size #1: 2 g

Sample Results

Metals

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.412	mg/kg	0.0184	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	1.50	pass	
Cadmium	0.0633	mg/kg	0.0184	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	0.500	pass	
Lead	0.335	mg/kg	0.0184	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	1.00	pass	
Mercury	0.0267	mg/kg	0.00921	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	0.200	pass	
Nickel	1.27	mg/kg	0.0184	04/24/25 AOAC 2013.06 (mod.) [Ⓟ]	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	58,000	cfu/g	100	04/25/25 AOAC 990.12 (Petrifilm) [Ⓟ]	10,000,000	pass	E1
E.coli	< LOQ	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	100	pass	
Total Coliforms	800	cfu/g	100	04/25/25 AOAC 991.14 (Petrifilm) [Ⓟ]	10,000	pass	
Enterobacteriaceae	4,400	cfu/g	100	04/24/25 AOAC 2003.01 [Ⓟ]	10,000	pass	
Mold (RAPID Petrifilm)	24,000	cfu/g	1,000	04/28/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	04/26/25 AOAC 2014.05 (RAPID) [Ⓟ]	50,000	pass	
Salmonella spp.	Negative	/25g	-	04/24/25 AOAC 2020.02 [Ⓟ]	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0206	%	0.0100	04/25/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	0.411	mg/2g	0.200	04/25/25 In house method by HPLC-DAD [Ⓟ]			
Isorhynchophylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD [Ⓟ]			
Mitragynine	0.986	%	0.0500	04/25/25 In house method by HPLC-DAD [Ⓟ]			
@ 2 g	19.7	mg/2g	1.00	04/25/25 In house method by HPLC-DAD [Ⓟ]			

Mitragynine

Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Mitraphylline	< LOQ	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Paynantheine	0.148	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciociliatine	0.0845	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Speciogynine	0.121	%	0.0500	04/25/25 In house method by HPLC-DAD ^p			
Total Alkaloids	1.36	%	-	04/29/25 In house method by HPLC-DAD ^p			

Pesticides

P2250 Multi-Residue Pesticide Profile

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

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Cypermethrin and isomers (sum)	0.446	mg/kg	0.100	04/29/25 AOAC 2007.01 ^p			
Thiophanate-methyl	1.92	mg/kg	0.100	04/29/25 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

Glossary of Qualifiers

E1: Estimated Value.

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

Units of Measure

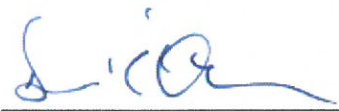
/25g = Per 25g

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

P2250 Multi-Residue Pesticide Profile
Kratom

Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
2,4,5-T	0.1	Bupirimate	0.1	Cyflumetofen	0.1	Dithiopyr	0.1
2,4,5-TP	0.1	Buprofezin	0.1	Cyfluthrin (sum)	0.2	Diuron	0.1
2,4-D	0.1	Butachlor	0.1	Cyhalothrin,lambda	0.1	Diuron metabolite (DCPMU)	0.1
2,4-DB	0.1	Butoxycarb	0.1	Cymoxanil	0.1	DNOC	0.1
2,4-DP	0.1	Butoxycarboxim	0.1	Cypermethrin and isomers (sum	0.1	Edifenphos	0.1
2,6-Dichlorobenzamide	0.1	Butralin	0.2	Cyprodinil	0.1	Endosulfan I (alpha)	0.2
Abamectin	0.1	Butylate	0.1	Cyromazine	0.1	Endosulfan II (beta)	0.2
Acephate	0.2	Cadusafos	0.1	DDD-o,p'	0.1	Endosulfan sulfate	0.1
Acequinocyl	0.1	Captafol	1	DDD-p,p'	0.1	Endrin	0.2
Acetamidiprid	0.1	Captan	0.2	DDE-o,p'	0.1	Endrin Aldehyde	0.2
Acetochlor	0.2	Carbaryl	0.1	DDE-p,p'	0.1	EPN	0.1
Acibenzolar-S-methyl	0.1	Carbendazim	0.1	DDT-o,p'	0.1	EPTC	0.1
Acifluorfen	0.1	Carbofuran	0.1	DDT-p,p'	0.1	Esfenvalerate	0.2
Acrinathrin	0.1	Carbofuran-3-hydroxy	0.1	DEF	0.1	Etaconazole	0.1
Afidopropfen	0.1	Carbophenothion	0.1	Deltamethrin	0.1	Ethaboxam	0.1
Alachlor	0.2	Carbophenothion-methyl	0.1	Demeton	0.2	Ethalfuralin	0.1
Aldicarb	0.1	Carboxin	0.1	Demeton-S-Methyl	0.2	Ethiofencarb	0.1
Aldicarb-sulfone	0.1	Carfentrazone-ethyl	0.1	Demeton-s-methyl sulfone	0.2	Ethion	0.1
Aldicarb-sulfoxide	0.1	Chlorantraniliprole	0.1	Desmedipham	0.1	Ethirimol	0.1
Aldrin	0.1	Chlordane	0.1	Diallate (DATC)	0.1	Ethofumesate	0.1
Ametoctradin	0.1	Chlordimeform	0.1	Diazinon	0.1	Ethoprophos	0.1
Ametryn	0.1	Chlorfenapyr	0.2	Diazoxon	0.1	Ethoxyquin	0.2
Aminocyclopyrachlor	0.1	Chlorfenson (ovex)	0.1	Dicamba	0.1	Etofenprox	0.1
Anilazine	0.3	Chlorfenvinphos	0.1	Dichlobenil	0.1	Etoxazole	0.1
Aspon	0.1	Chlorimuron-ethyl	0.1	Dichlofenthion	0.1	Etridiazole	0.1
Asulam	0.1	Chlornitrofen	0.2	Dichlofluanid	0.1	Etrifos	0.2
Atrazine	0.1	Chlorobenzilate	0.1	Dichlorvos	0.1	Famoxadone	0.2
Atrazine-Desethyl	0.1	Chloroneb	0.1	Diclobutrazol	0.1	Famphur	0.1
Azadirachtin	0.1	Chlorothalonil	0.4	Diclofop	0.1	Fenamidone	0.1
Azinphos-ethyl	0.1	Chloroprotham (CIPC)	0.1	Diclofop-methyl	0.1	Fenamiphos	0.1
Azinphos-methyl	0.1	Chlorpyrifos-ethyl	0.1	Dicloran	0.4	Fenamiphos-sulfone	0.1
Azoxystrobin	0.1	Chlorpyrifos-methyl	0.1	Dicofol-o,p	0.2	Fenamiphos-sulfoxide	0.1
Benalaxyl	0.1	Chlorsulfuron	0.1	Dicofol-p,p	0.2	Fenarimol	0.1
Bendiocarb	0.1	Chlorthal-dimethyl (Dacthal)	0.1	Dicrotophos	0.1	Fenazaquin	0.1
Benfluralin	0.1	Chlorthion	0.2	Dieldrin	0.1	Fenbuconazole	0.1
Benoxacor	0.1	Chlorthiophos	0.1	Diethofencarb	0.1	Fenbutatin oxide	0.1
Bensulide	0.1	Cinerin I	0.1	Diethyltoluamide (DEET)	0.1	Fenchlorphos	0.1
Bentazone	0.1	Clethodim	0.1	Difenoconazole	0.1	Fenchlorphos-oxon	0.1
Benzovindiflupyr	0.1	Clethodim-sulfone	0.1	Diflufenzuron	0.1	Fenhexamid	0.1
BHC (α, β, γ, δ isomers)	0.1	Clethodim-sulfoxide	0.1	Diflufenzopyr	0.1	Fenirothion	0.1
Bifenazate	0.1	Clofentazine	0.1	Dimethenamid	0.1	Fenobucarb	0.1
Bifenox	0.1	Clomazone	0.1	Dimethoate	0.1	Fenoxaprop-p-ethyl	0.1
Bifenthrin	0.1	Clopyralid	0.1	Dimethomorph	0.1	Fenoxycarb	0.1
Binapacryl	0.4	Clothianidin	0.1	Diniconazole	0.1	Fenpropathrin	0.1
Bioresmethrin	0.1	Coumaphos	0.1	Dinocap	0.1	Fenpyroximate	0.1
Bitertanol	0.2	Crotoxyphos	0.1	Dinoseb	0.1	Fenson	0.2
Boscalid	0.1	Cyanazine	0.1	Dinotefuran	0.1	Fensulfthion	0.1
Broflanilide (Cimegra)	0.1	Cyanofenphos	0.1	Dioxathion	0.1	Fenthion	0.1
Bromacil	0.2	Cyanophos	0.4	Diphenamid	0.1	Fenuron	0.1
Bromophos-ethyl	0.2	Cyantraniliprole	0.1	Diphenylamine	0.1	Fipronil	0.1
Bromophos-methyl	0.1	Cyazofamid	0.1	Disulfoton	0.2	Fonicamid	0.1
Bromopropylate	0.1	Cycloate	0.1	Disulfoton-sulfone	0.1	Fluazifop	0.1
Bromoxynil	0.1	Cycloxydim	0.1	Disulfoton-Sulfoxide	0.1	Fluazinam	0.1
Bromuconazole	0.1	Cyflufenamid	0.1	Dithianon	0.1	Fluchloralin	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

Page 1 of 3

Updated: 04.07.2025

P2250 Multi-Residue Pesticide Profile
Kratom

Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
Flucythrinate	0.3	Isoprocarb	0.1	Nicosulfuron	0.1	Prochloraz	0.1
Fludioxonil	0.1	Isopropalin	0.1	Nitrapyrin	0.2	Procymidone	0.1
Flufenacet	0.1	Isoprothiolane	0.1	Nitrofen	0.2	Prodiamine	0.1
Flumetsulam	0.1	Isoproturon	0.1	Norflurazon	0.1	Profenofos	0.1
Flumioxazin	0.1	Isoxaben	0.1	Novaluron	0.1	Profluralin	0.1
Fluometuron	0.1	Isoxaflutole	0.1	Nuarmol	0.2	Promecarb	0.1
Fluopicolide	0.1	Jasmolin I	0.1	Omethoat	0.1	Prometon	0.1
Fluopyram	0.1	Kresoxim-methyl	0.1	o-Phenylphenol	0.5	Prometryn	0.1
Fluoxastrobin	0.1	Lactofen	0.2	Oryzalin	0.1	Pronamide (Propyzamid)	0.1
Fluprimsidol	0.1	Lenacil	0.1	Oxadiazon	0.1	Propachlor	0.1
Flupyradifurone	0.1	Linuron	0.1	Oxadixyl	0.1	Propamocarb	0.1
Fluridone	0.1	Malaoxon	0.1	Oxamyl	0.1	Propanil	0.1
Fluroxypyr	0.1	Malathion	0.1	Oxamyl-Oxime	0.1	Propargite	0.1
Flusilazole	0.1	Mandestrobin	0.1	Oxathiapiprolin	0.1	Propazine	0.1
Fluthiacet-methyl	0.1	Mandipropamid	0.1	Oxychloridane	0.1	Propetamphos	0.1
Flutianil	0.1	MCPA	0.1	Oxydemeton-methyl	0.1	Propham	0.1
Flutolanil	0.1	MCPB	0.1	Oxyfluorfen	0.1	Propiconazole	0.1
Flutriafol	0.1	MCPP (Mecoprop)	0.1	Oxythioquinox	0.2	Propoxur	0.1
Fluxapyroxad	0.1	MCPP-P	0.1	Paclotrazole	0.1	Propoxycarbazone sodium	0.1
Folpet	0.1	Mecarbam	0.1	Paraoxon-ethyl	0.1	Prosulfuron	0.1
Fomesafen	0.1	Mefenitruconazole	0.1	Paraoxon-methyl	0.1	Prothioconazole	0.1
Fonofos	0.1	Mepanipyrim	0.1	Parathion-ethyl	0.1	Prothiofos	0.1
Foramsulfuron	0.1	Mesosulfuron	0.1	Parathion-methyl	0.3	Pydiflumetofen	0.1
Forchlorfenuron	0.1	Mesotrione	0.1	Penconazole	0.1	Pymetrozine	0.1
Formetanate	0.1	Metalaxyl	0.1	Pendimethalin	0.1	Pyraclostrobin	0.1
Furathiocarb	0.1	Metalddehyde	0.1	Penflufen	0.1	Pyraflufen-Ethyl	0.1
Halosulfuron-methyl	0.1	Metconazole	0.1	Pentachloroaniline (PCA)	0.1	Pyrazophos	0.1
Haloxifop	0.1	Methacryfos	0.1	Pentachloroanisole	0.1	Pyrethrins (total)	0.1
Heptachlor	0.1	Methamidophos	0.1	Pentachlorobenzene (PCB)	0.1	Pyridaben	0.1
Heptachlor Epoxide	0.1	Methidathion	0.1	Pentachlorophenol	0.1	Pyridate (metabolite)	0.1
Hexachlorobenzene	0.1	Methiocarb	0.1	Pentachlorothioanisole	0.3	Pyrifluquinazon	0.1
Hexaconazole	0.1	Methiocarb sulfone	0.1	Penthiopyrad	0.1	Pyrimethanil	0.1
Hexazinone	0.1	Methiocarb sulfoxide	0.1	Permethrin	0.1	Pyriproxyfen	0.1
Hexythiazox	0.1	Methiozolin	0.1	Perthane	0.1	Pyroxasulfone	0.1
Hydroprene	0.1	Methomyl	0.1	Phenmedipham	0.1	Pyroxsulam	0.1
Imazalil	0.1	Methoxychlor	0.1	Phenothrin	0.1	Quinalphos	0.1
Imazamox	0.1	Methoxyfenozid	0.1	Phenthoate	0.1	Quinclorac	0.1
Imazapic	0.1	Metobromuron	0.1	Phorate	0.1	Quinoxifen	0.1
Imazapyr	0.1	Metolacarb	0.1	Phorate-sulfone	0.1	Quintozene (PCNB)	0.1
Imazaquin	0.1	Metolachlor	0.1	Phorate-sulfoxide	0.1	Quizalofop	0.1
Imazethapyr	0.1	Metrafenone	0.1	Phoratoxon (Phorate OA)	0.1	Resmethrin	0.1
Imidacloprid	0.1	Metribuzin	0.1	Phosalone	0.1	Rimsulfuron	0.1
Indaziflam	0.1	Metsulfuron-methyl	0.1	Phosmet	0.1	Rotenone	0.1
Indoxacarb	0.1	Mevinphos	0.1	Phosmet oxon	0.1	S-421	0.1
Iprobenfos	0.1	Mexacarbate	0.1	Phosphamidon	0.1	Saflufenacil	0.1
Iprodione	0.1	MGK-264	0.1	Phoxim	0.1	Sebuthylazine	0.1
Isazophos	0.1	Mirex	0.1	Picloram	0.1	Sedaxane	0.1
Isobenzan	0.1	Molinate	0.1	Pinoxaden	0.1	Sethoxydim	0.1
Isocarbophos	0.1	Monocrotophos	0.1	Piperonyl butoxide	0.1	Siduron	0.1
Isodrin	0.1	Monolinuron	0.1	Pirimicarb	0.1	Simazine	0.1
Isofenphos	0.1	Myclobutanil	0.1	Pirimiphos-ethyl	0.1	Simetryn	0.1
Isofenphos-methyl	0.1	Naled	0.1	Pirimiphos-methyl	0.1	Spinetoram	0.1
Isofenphos-oxon	0.1	Napropamide	0.1	Prallethrin	0.1	Spinosad	0.1
Isofetamid	0.1	Neburon	0.1	Primisulfuron-methyl	0.1	Spirodiclofen	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

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Updated: 04.07.2025

P2250 Multi-Residue Pesticide Profile
Kratom

Analyte	LOQ (mg/kg)	Analyte	LOQ (mg/kg)
Spiromesifen	0.1	Triflumizole	0.1
Spirotetramat	0.1	Trifluralin	0.1
Spirotetramat enol	0.1	Triflurosulfuron-methyl	0.1
Spiroxamine	0.1	Triforine	0.1
Sulfallate	0.1	Trinexapac-ethyl	0.1
Sulfentrazone	0.3	Triticonazole	0.1
Sulfometuron-methyl	0.1	Vinclozolin	0.1
Sulfosulfuron	0.1	Zoxamide	0.1
Sulfotep	0.1		
Sulfoxaflo	0.1		
Sulprofos	0.1		
Tau-fluvalinate	0.1		
Tebuconazole	0.1		
Tebufenozide	0.1		
Tebuthiuron	0.1		
Tecnazene	0.1		
Tefluthrin	0.1		
Tembotrione	0.1		
Terbacil	0.4		
Terbufos	0.1		
Terbufos-sulfone	0.1		
Terbufos-Sulfoxide	0.1		
Terbutylazine	0.1		
Terbutryn	0.1		
Tetrachlorvinphos	0.1		
Tetraconazole	0.1		
Tetradifon	0.1		
Tetramethrin	0.1		
Tetrasul	0.1		
Thiabendazol 5 hydroxy	0.1		
Thiabendazole	0.1		
Thiacloprid	0.1		
Thiamethoxam	0.1		
Thifensulfuron-methyl	0.1		
Thiobencarb	0.1		
Thiodicarb	0.1		
Thiometon	0.2		
Thionazin	0.1		
Thiophanate-methyl	0.1		
Tolclofos-methyl	0.1		
Tolfenpyrad	0.1		
Tolyfluanid	0.1		
Topramezone	0.1		
Tralkoxydim	0.1		
Triadimefon	0.1		
Triadimenol	0.1		
Triallate	0.1		
Triasulfuron	0.1		
Triazophos	0.1		
Tribenuron-methyl	0.1		
Trichlorfon (Metrifonate)	0.1		
Triclopyr	0.2		
Trifloxystrobin	0.1		
Trifloxysulfuron	0.1		

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)

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Updated: 04.07.2025



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

Report Number: 25-004267/D002.R000
Report Date: 04/29/2025
Purchase Order: andy042125
Received: 04/22/25 09:46 AM



**Kratom
Chain of Custody**

Lamp-Nutra-1745269317

Company Details							Testing			
Company: Lamp Nutra Contact: Andy Reed Street Address: 3133 Tiger Run Court ste 105 City, State, Zip: Carlsbad, CA 92010 Email: areed@lampnutra.com Contact Phone: 7602088909 Company Phone: 4423255166 Billing Information Billing Phone: 4423255166 Billing Email: areed@lampnutra.com							Project Details Turnaround Time: 5 Business Days (Standard) Sample Relinquishment Options: By Shipping Service (USPS, UPS, Fedex) PO Number: andy042125 Report Type: All Samples on Individual Reports Additional Comments for Project: Please put thresholds on all samples Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Food Shelves		P2250 - Multi-Residue Pesticide Profile (Kratom)	S3500 - Kratom Quality & Safety Expanded
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments	✓	✓		
1	LNK-L54-B1	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
2	LNK-L54-B2	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
3	LNK-L54-B3	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
4	LNK-L54-B4	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
5	LNK-L54-B5	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
6	LNK-L54-B6	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
7	LNK-L54-B7	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		
8	LNK-L54-B8	Kratom powder	90 g	mg/g & mg/serving	2 g	Please put thresholds on all labs	✓	✓		

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL #
Andy Reed	04/21/2025	14:01	amp	04/22/2025	09:46	17.4	CL-0494

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this CDC. By signing "Relinquished by" you are agreeing to these terms.

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Portland, OR 97230

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