



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

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 | 0.287 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.191 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.20 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------|--------|-------|----------|---------------------------|-------|
| Clothianidin | 0.130 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cyhalothrin, lambda | 0.182 | 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

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

Sample ID: LNK-L55-B21
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0021
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 | 0.339 | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) [Ⓟ] | 1.50 | pass | |
| Cadmium | < LOQ | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) [Ⓟ] | 0.500 | pass | |
| Lead | 0.385 | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) [Ⓟ] | 1.00 | pass | |
| Mercury | 0.0226 | mg/kg | 0.00979 | 05/27/25 AOAC 2013.06 (mod.) [Ⓟ] | 0.200 | pass | |
| Nickel | 2.05 | mg/kg | 0.0196 | 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 | 800 | 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 | 0.0348 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD [Ⓟ] | | | |
| @ 2 g | 0.696 | mg/2g | 0.200 | 05/28/25 In house method by HPLC-DAD [Ⓟ] | | | |
| Isorhynchophylline | < LOQ | % | 0.0500 | 05/28/25 In house method by HPLC-DAD [Ⓟ] | | | |
| Mitragynine | 1.34 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD [Ⓟ] | | | |
| @ 2 g | 26.7 | mg/2g | 1.00 | 05/28/25 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 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Paynantheine | 0.212 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciociliatine | 0.290 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciogynine | 0.171 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Total Alkaloids | 2.05 | % | - | 05/29/25 In house method by HPLC-DAD ^P | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|--------------------|--------|-------|----------|---------------------------|-------|
| Cypermethrin (sum) | 0.312 | 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/D105.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-B22
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0022
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 | 0.394 | mg/kg | 0.0219 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | < LOQ | mg/kg | 0.0219 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.396 | mg/kg | 0.0219 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0211 | mg/kg | 0.0109 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 2.00 | mg/kg | 0.0219 | 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 | 0.0363 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.726 | 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 | 1.41 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 28.2 | 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 | 0.215 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.300 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.185 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.15 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|--------------------|--------|-------|----------|---------------------------|-------|
| Cypermethrin (sum) | 0.305 | 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



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 Portland, OR 97230
 503-254-1794

Report Number: 25-005456/D107.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-B23
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0023
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 | 0.514 | mg/kg | 0.0174 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0201 | mg/kg | 0.0174 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.465 | mg/kg | 0.0174 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0221 | mg/kg | 0.00872 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 2.00 | 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 | 500 | 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 | 0.0455 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.910 | 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 | 1.50 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 30.1 | mg/2g | 1.00 | 05/28/25 In house method by HPLC-DAD ^b | | | |



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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 | 0.231 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.325 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.200 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.30 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------|--------|-------|----------|---------------------------|-------|
| Cyhalothrin, lambda | 0.195 | 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

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General Manager



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Report Number: 25-005456/D106.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-B24
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0024
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 | 0.0197 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0231 | mg/kg | 0.0197 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.546 | mg/kg | 0.0197 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0204 | mg/kg | 0.00987 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 1.95 | mg/kg | 0.0197 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0500 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.999 | 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 | 1.31 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 26.1 | mg/2g | 1.00 | 05/28/25 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.



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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 | 0.203 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.275 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogyne | 0.171 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.01 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------|--------|-------|----------|---------------------------|-------|
| Clothianidin | 1.07 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cyhalothrin, lambda | 1.45 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cypermethrin (sum) | 0.251 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Thiamethoxam | 0.211 | 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



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Report Number: 25-005456/D112.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-B25
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0025
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 | 0.102 | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) ^P | 1.50 | pass | |
| Cadmium | 0.0228 | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) ^P | 0.500 | pass | |
| Lead | 0.421 | mg/kg | 0.0196 | 05/27/25 AOAC 2013.06 (mod.) ^P | 1.00 | pass | |
| Mercury | 0.0160 | mg/kg | 0.00979 | 05/27/25 AOAC 2013.06 (mod.) ^P | 0.200 | pass | |
| Nickel | 1.52 | mg/kg | 0.0196 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^P | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^P | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^P | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^P | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^P | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^P | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^P | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0399 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| @ 2 g | 0.798 | 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 | 1.39 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| @ 2 g | 27.9 | mg/2g | 1.00 | 05/28/25 In house method by HPLC-DAD ^P | | | |



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

Report Number: 25-005456/D112.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 | 0.215 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.208 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.157 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.01 | % | - | 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



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

Report Number: 25-005456/D117.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-B26
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0026
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 | 0.251 | mg/kg | 0.0168 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0192 | mg/kg | 0.0168 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.363 | mg/kg | 0.0168 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0179 | mg/kg | 0.00842 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 1.21 | mg/kg | 0.0168 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0260 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.519 | 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 | 1.30 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 26.0 | 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 | 0.201 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.289 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.147 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 1.96 | % | - | 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



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

Report Number: 25-005456/D118.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-B27
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0027
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 | 0.259 | mg/kg | 0.0162 | 05/27/25 AOAC 2013.06 (mod.) ^p | 1.50 | pass | |
| Cadmium | 0.0167 | mg/kg | 0.0162 | 05/27/25 AOAC 2013.06 (mod.) ^p | 0.500 | pass | |
| Lead | 0.627 | mg/kg | 0.0162 | 05/27/25 AOAC 2013.06 (mod.) ^p | 1.00 | pass | |
| Mercury | 0.0209 | mg/kg | 0.00812 | 05/27/25 AOAC 2013.06 (mod.) ^p | 0.200 | pass | |
| Nickel | 2.22 | mg/kg | 0.0162 | 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 | < LOQ | cfu/g | 100 | 05/27/25 AOAC 990.12 (Petrifilm) ^p | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^p | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^p | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^p | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^p | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^p | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^p | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0416 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| @ 2 g | 0.831 | 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 | 1.35 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| @ 2 g | 27.0 | 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 | 0.210 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.273 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.181 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.06 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------|--------|-------|----------|---------------------------|-------|
| Clothianidin | 0.141 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cyhalothrin, lambda | 0.191 | 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/D119.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-B28
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0028
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 | 0.240 | mg/kg | 0.0175 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0240 | mg/kg | 0.0175 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.586 | mg/kg | 0.0175 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0199 | mg/kg | 0.00873 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 1.73 | mg/kg | 0.0175 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0430 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.861 | 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 | 1.41 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 28.3 | mg/2g | 1.00 | 05/28/25 In house method by HPLC-DAD ^b | | | |



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 503-254-1794

Report Number: 25-005456/D119.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 | 0.214 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciociliatine | 0.268 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciogynine | 0.175 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Total Alkaloids | 2.11 | % | - | 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

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/D114.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-B29
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0029
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 | 0.279 | mg/kg | 0.0195 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0219 | mg/kg | 0.0195 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.535 | mg/kg | 0.0195 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0231 | mg/kg | 0.00973 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 1.63 | mg/kg | 0.0195 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0408 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.815 | 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 | 1.20 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 23.9 | 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 | 0.189 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.257 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.146 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 1.83 | % | - | 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



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

Report Number: 25-005456/D116.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-B30
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0030
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 | 0.246 | mg/kg | 0.0165 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0205 | mg/kg | 0.0165 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.916 | mg/kg | 0.0165 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0274 | mg/kg | 0.00823 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 2.21 | mg/kg | 0.0165 | 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 | 1,300 | cfu/g | 100 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | 100 | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | 100 | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0390 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.779 | 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 | 1.29 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 25.9 | mg/2g | 1.00 | 05/28/25 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 | 05/28/25 | In house method by HPLC-DAD ^p | | | |
| Paynantheine | 0.197 | % | 0.0500 | 05/28/25 | In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.271 | % | 0.0500 | 05/28/25 | In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.166 | % | 0.0500 | 05/28/25 | In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 1.96 | % | - | 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



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

Report Number: 25-005456/D115.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-B31
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0031
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 | 0.339 | mg/kg | 0.0151 | 05/27/25 AOAC 2013.06 (mod.) ^P | 1.50 | pass | |
| Cadmium | 0.0239 | mg/kg | 0.0151 | 05/27/25 AOAC 2013.06 (mod.) ^P | 0.500 | pass | |
| Lead | 0.518 | mg/kg | 0.0151 | 05/27/25 AOAC 2013.06 (mod.) ^P | 1.00 | pass | |
| Mercury | 0.0197 | mg/kg | 0.00755 | 05/27/25 AOAC 2013.06 (mod.) ^P | 0.200 | pass | |
| Nickel | 2.21 | mg/kg | 0.0151 | 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 | 1,000 | cfu/g | 100 | 05/27/25 AOAC 990.12 (Petrifilm) ^P | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^P | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^P | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^P | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^P | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^P | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^P | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0426 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| @ 2 g | 0.851 | 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 | 28.5 | 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 | 0.224 | % | 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 | 0.191 | % | 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 | 0.167 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cyhalothrin, lambda | 0.255 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Cypermethrin (sum) | < 0.200 | 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/D113.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-B32
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0032
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 | 0.225 | mg/kg | 0.0134 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0175 | mg/kg | 0.0134 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.585 | mg/kg | 0.0134 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0215 | mg/kg | 0.00669 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 2.07 | mg/kg | 0.0134 | 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /10g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | I |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0444 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.888 | 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 | 1.42 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 28.5 | mg/2g | 1.00 | 05/28/25 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 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Paynantheine | 0.217 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.273 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciognynine | 0.183 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.14 | % | - | 05/29/25 In house method by HPLC-DAD ^p | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|--------------------|--------|-------|----------|---------------------------|-------|
| Cypermethrin (sum) | 0.304 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Permethrin | 0.199 | mg/kg | 05/29/25 | AOAC 2007.01 ^p | |
| Thiophanate-methyl | 0.421 | 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

I: Insufficient sample received to meet method requirements.

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

Units of Measure

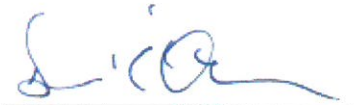
cfu/g = Colony forming units per gram

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

/10g = Per 10 grams

% = Percentage of sample

Approved Signatory



Derrick Tanner
General Manager



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

Report Number: 25-005456/D120.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-B33
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0033
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 | 0.307 | mg/kg | 0.0181 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.50 | pass | |
| Cadmium | 0.0199 | mg/kg | 0.0181 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.500 | pass | |
| Lead | 0.749 | mg/kg | 0.0181 | 05/27/25 AOAC 2013.06 (mod.) ^b | 1.00 | pass | |
| Mercury | 0.0260 | mg/kg | 0.00905 | 05/27/25 AOAC 2013.06 (mod.) ^b | 0.200 | pass | |
| Nickel | 1.65 | 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 | 300 | cfu/g | 100 | 05/27/25 AOAC 990.12 (Petrifilm) ^b | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^b | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^b | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^b | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^b | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0396 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 0.792 | 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 | 1.33 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^b | | | |
| @ 2 g | 26.6 | 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 | 0.199 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciociliatine | 0.280 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Speciogynine | 0.170 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^P | | | |
| Total Alkaloids | 2.02 | % | - | 05/29/25 In house method by HPLC-DAD ^P | | | |

Pesticides

P2320 Multi-Residue Pesticide Profile

| Analyte | Result | Units | Analyzed | Method | Notes |
|---------------------|--------|-------|----------|---------------------------|-------|
| Clothianidin | 0.138 | mg/kg | 05/29/25 | AOAC 2007.01 ^P | |
| Cyhalothrin, lambda | 0.196 | 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/D104.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-B34
Sample Matrix: Kratom powder
Laboratory ID: 25-005456-0034
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 | 0.171 | mg/kg | 0.0186 | 05/29/25 AOAC 2013.06 (mod.) ^p | 1.50 | pass | |
| Cadmium | < LOQ | mg/kg | 0.0186 | 05/29/25 AOAC 2013.06 (mod.) ^p | 0.500 | pass | |
| Lead | 0.595 | mg/kg | 0.0186 | 05/29/25 AOAC 2013.06 (mod.) ^p | 1.00 | pass | |
| Mercury | 0.0186 | mg/kg | 0.00932 | 05/29/25 AOAC 2013.06 (mod.) ^p | 0.200 | pass | |
| Nickel | 2.33 | mg/kg | 0.0186 | 05/29/25 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 | 05/27/25 AOAC 990.12 (Petrifilm) ^p | 10,000,000 | pass | |
| E.coli | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^p | 100 | pass | |
| Total Coliforms | < LOQ | cfu/g | 100 | 05/27/25 AOAC 991.14 (Petrifilm) ^p | 10,000 | pass | |
| Enterobacteriaceae | < LOQ | cfu/g | 100 | 05/26/25 AOAC 2003.01 ^p | 10,000 | pass | |
| Mold (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^p | 50,000 | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | cfu/g | 100 | 05/28/25 AOAC 2014.05 (RAPID) ^p | 50,000 | pass | |
| Salmonella spp. | Negative | /25g | - | 05/27/25 AOAC 2020.02 ^p | Negative | pass | |

Mitragynine

Mitragynine Full Alkaloid Panel

| Analyte | Result | Units | LOQ | Analyzed Method | Threshold | Pass/Fail | Notes |
|----------------------|--------|-------|--------|---|-----------|-----------|-------|
| 7-Hydroxymitragynine | 0.0450 | % | 0.0100 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| @ 2 g | 0.900 | 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 | 1.36 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| @ 2 g | 27.2 | 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.

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 | 0.209 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciociliatine | 0.287 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Speciogynine | 0.148 | % | 0.0500 | 05/28/25 In house method by HPLC-DAD ^p | | | |
| Total Alkaloids | 2.05 | % | - | 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 | |
| Permethrin | 0.126 | 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

Residue List

Method AOAC 2007.01

Units mg/kg

Analyzed 2025-05-29

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|------------------------------------|------|-----------------------|------|---------------------------------|------|--------------------------|------|
| 2,4-D | 0.10 | 2,4-DB | 0.10 | 2,4-DP | 0.10 | 2,4,5-T | 0.10 |
| 2,4,5-TP | 0.10 | 2,6-Dichlorobenzamide | 0.10 | Abamectin (Avermectin) | 0.10 | Acephate | 0.20 |
| Acequinocyl | 0.10 | Acetamiprid | 0.10 | Acetochlor | 0.20 | Acibenzolar-s-methyl | 0.10 |
| Acifluorfen | 0.10 | Acrinathrin | 0.10 | Afidopyropen | 0.10 | Alachlor | 0.20 |
| Aldicarb | 0.10 | Aldicarb-sulfone | 0.10 | Aldicarb-sulfoxide | 0.10 | Aldrin | 0.10 |
| Ametoctradin | 0.10 | Ametryn | 0.10 | Aminocyclopyrachlor | 0.10 | Anilazine | 0.30 |
| Aspon | 0.10 | Asulam | 0.10 | Atrazine | 0.10 | Atrazine-desethyl | 0.10 |
| Azadirachtin | 0.10 | Azinphos-ethyl | 0.10 | Azinphos-methyl | 0.10 | Azoxystrobin | 0.10 |
| Benalaxyl | 0.10 | Bendiocarb | 0.10 | Benfluralin | 0.10 | Benoxacor | 0.10 |
| Bensulide | 0.10 | Bentazone | 0.10 | Benzovindiflupyr | 0.10 | BHC (α, β, γ, δ isomers) | 0.10 |
| Bifenazate | 0.10 | Bifenox | 0.10 | Bifenthrin | 0.10 | Binapacryl | 0.40 |
| Bioresmethrin | 0.10 | Bitertanol | 0.20 | Boscalid | 0.10 | Broflanilide | 0.10 |
| Bromacil | 0.20 | Bromophos-ethyl | 0.20 | Bromophos-methyl | 0.10 | Bromopropylate | 0.10 |
| Bromoxynil | 0.10 | Bromuconazole | 0.10 | Bupirimate | 0.10 | Buprofezin | 0.10 |
| Butachlor | 0.10 | Butoxycarboxim | 0.10 | Butralin | 0.20 | Butylate | 0.10 |
| Cadusafos | 0.10 | Captafol | 1.00 | Captan | 0.20 | Carbaryl | 0.10 |
| Carbendazim | 0.10 | Carbofuran | 0.10 | Carbofuran-3-hydroxy | 0.10 | Carbophenothion | 0.10 |
| Carbophenothion-methyl | 0.10 | Carboxin | 0.10 | Carfentrazone-ethyl | 0.10 | Chlorantraniliprole | 0.10 |
| Chlordane | 0.10 | Chlordimeform | 0.10 | Chlorfenapyr | 0.20 | Chlorfenson | 0.10 |
| Chlorfenvinphos | 0.10 | Chlorimuron-ethyl | 0.10 | Chlornitrofen | 0.20 | Chlorobenzilate | 0.10 |
| Chloroneb | 0.10 | Chlorothalonil | 0.40 | Chlorpropham (CIPC) | 0.10 | Chlorpyrifos-ethyl | 0.10 |
| Chlorpyrifos-methyl | 0.10 | Chlorsulfuron | 0.10 | Chlorthal-dimethyl (Dacthal, D) | 0.10 | Chlorthion | 0.20 |
| Chlorthiophos | 0.10 | Cinerin I | 0.10 | Clethodim | 0.10 | Clethodim-sulfone | 0.10 |
| Clethodim-sulfoxide | 0.10 | Clofentezine | 0.10 | Clomazone | 0.10 | Clopyralid | 0.10 |
| Clothianidin | 0.10 | Coumaphos | 0.10 | Crotoxyphos | 0.10 | Cyanazine | 0.10 |
| Cyanofenphos | 0.10 | Cyanophos | 0.40 | Cyantraniliprole | 0.10 | Cyazofamid | 0.10 |
| Cycloate | 0.10 | Cycloxydim | 0.10 | Cyflufenamid | 0.10 | Cyflumetofen | 0.10 |
| Cyfluthrin (incl. Beta-Cyfluthrin) | 0.20 | Cyhalothrin, lambda | 0.10 | Cymoxanil | 0.10 | Cypermethrin (sum) | 0.20 |
| Cyprodinil | 0.10 | Cyromazine | 0.10 | DDD-o,p' | 0.10 | DDD-p,p' | 0.10 |
| DDE-o,p' | 0.10 | DDE-p,p' | 0.10 | DDT-o,p' | 0.10 | DDT-p,p' | 0.10 |
| DEF (Tribufos) | 0.10 | Deltamethrin | 0.10 | Demeton | 0.20 | Demeton-s-methyl | 0.20 |
| Demeton-s-methyl sulfone | 0.20 | Desmedipham | 0.10 | Diallate | 0.10 | Diazinon | 0.10 |
| Diazoxon (Diazinon OA) | 0.10 | Dicamba | 0.40 | Dichlobenil | 0.10 | Dichlofenthion | 0.10 |

Residue List

Method AOAC 2007.01

Units mg/kg

Analyzed 2025-05-29

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|----------------------|------|---------------------|------|----------------------|------|---------------------------|------|
| Dichlofluanid | 0.10 | Dichlorvos | 0.10 | Diclobutrazol | 0.10 | Diclofop | 0.10 |
| Diclofop-methyl | 0.10 | Dicloran | 0.40 | Dicofol o,p | 0.20 | Dicofol-p,p | 0.20 |
| Dicrotophos | 0.10 | Dieldrin | 0.10 | Diethofencarb | 0.10 | Diethyltoluamide (DEET) | 0.10 |
| Difenoconazole | 0.10 | Diffubenzuron | 0.10 | Diflufenzopyr | 0.10 | Dimethenamid | 0.10 |
| Dimethoate | 0.10 | Dimethomorph | 0.10 | Diniconazole | 0.10 | Dinocap | 0.10 |
| Dinoseb | 0.10 | Dinotefuran | 0.10 | Dioxathion | 0.10 | Diphenamid | 0.10 |
| Diphenylamine | 0.10 | Disulfoton | 0.20 | Disulfoton-sulfone | 0.10 | Disulfoton-sulfoxide | 0.10 |
| Dithianon | 0.10 | Dithiopyr | 0.10 | Diuron | 0.10 | Diuron metabolite (DCPMU) | 0.10 |
| DNOC (Dinitroresol) | 0.10 | Edifenphos | 0.10 | Endosulfan I (alpha) | 0.20 | Endosulfan II (beta) | 0.20 |
| Endosulfan sulfate | 0.10 | Endrin | 0.20 | Endrin Aldehyde | 0.20 | EPN | 0.10 |
| EPTC | 0.10 | Esfenvalerate | 0.20 | Etaconazole | 0.10 | Ethaboxam | 0.10 |
| Ethalfuralin | 0.10 | Ethiofencarb | 0.10 | Ethion | 0.10 | Ethirimol | 0.10 |
| Ethofumesate | 0.10 | Ethoprophos | 0.10 | Ethoxyquin | 0.20 | Etofenprox | 0.10 |
| Etoxazole | 0.10 | Etridiazole | 0.10 | Etrimfos | 0.10 | Famoxadone | 0.20 |
| Famphur | 0.10 | Fenamidone | 0.10 | Fenamiphos | 0.10 | Fenamiphos-sulfone | 0.10 |
| Fenamiphos-sulfoxide | 0.10 | Fenarimol | 0.10 | Fenazaquin | 0.10 | Fenbuconazole | 0.10 |
| Fenbutatin oxide | 0.10 | Fenchlorphos | 0.10 | Fenchlorphos-oxon | 0.10 | Fenhexamid | 0.10 |
| Fenitrothion | 0.10 | Fenobucarb | 0.10 | Fenoxaprop-p-ethyl | 0.10 | Fenoxycarb | 0.10 |
| Fenpropathrin | 0.10 | Fenpyroximate | 0.10 | Fenson | 0.20 | Fensulfothion | 0.10 |
| Fenthion | 0.10 | Fenuron | 0.10 | Fipronil | 0.10 | Fonicamid | 0.10 |
| Fluazifop | 0.10 | Fluazinam | 0.10 | Fluchloralin | 0.10 | Flucythrinate | 0.30 |
| Fludioxonil | 0.10 | Flufenacet | 0.10 | Flumetsulam | 0.10 | Flumioxazin | 0.10 |
| Fluometuron | 0.10 | Fluopicolide | 0.10 | Fluopyram | 0.10 | Fluoxastrobin | 0.10 |
| Fluprimidol | 0.10 | Flupyradifurone | 0.10 | Fluridone | 0.10 | Fluroxypyr | 0.10 |
| Flusilazole | 0.10 | Fluthiacet-methyl | 0.10 | Flutianil | 0.10 | Flutolanil | 0.10 |
| Flutriafol | 0.10 | Fluxapyroxad | 0.10 | Folpet | 0.10 | Fomesafen | 0.10 |
| Fonofos | 0.10 | Foramsulfuron | 0.10 | Forchlorfenuron | 0.10 | Formetanate | 0.10 |
| Furathiocarb | 0.10 | Halosulfuron-methyl | 0.10 | Haloxypop | 0.10 | Heptachlor | 0.10 |
| Heptachlor epoxide | 0.10 | Hexachlorobenzene | 0.10 | Hexaconazole | 0.10 | Hexazinone | 0.10 |
| Hexythiazox | 0.10 | Hydroprene | 0.10 | Imazalil | 0.10 | Imazamox | 0.10 |
| Imazapic | 0.10 | Imazapyr | 0.10 | Imazaquin | 0.10 | Imazethapyr | 0.10 |
| Imidacloprid | 0.10 | Indaziflam | 0.10 | Indoxacarb | 0.10 | Iprobenfos | 0.10 |

Residue List

Method AOAC 2007.01

Units mg/kg

Analyzed 2025-05-29

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|----------------------|------|------------------------|------|--------------------|------|---------------------|------|
| Iprodione | 0.10 | Isazophos | 0.10 | Isobenzan | 0.10 | Isocarboxophos | 0.10 |
| Isodrin | 0.10 | Isofenphos | 0.10 | Isofenphos-methyl | 0.10 | Isofenphos-oxon | 0.10 |
| Isofetamid | 0.10 | Isoprocarb | 0.10 | Isopropalin | 0.10 | Isoprothiolane | 0.10 |
| Isoproturon | 0.10 | Isoxaben | 0.10 | Isoxaflutole | 0.10 | Jasmolin I | 0.10 |
| Kresoxim-methyl | 0.10 | Lactofen | 0.20 | Lenacil | 0.10 | Linuron | 0.10 |
| Malaoxon | 0.10 | Malathion | 0.10 | Mandestrobin | 0.10 | Mandipropamid | 0.10 |
| MCPA | 0.10 | MCPB | 0.10 | MCPP (Mecoprop) | 0.10 | MCPP-P | 0.10 |
| Mecarbam | 0.10 | Mefentrifluconazole | 0.10 | Mepanipyrim | 0.10 | Mesosulfuron-methyl | 0.10 |
| Mesotrione | 0.10 | Metalaxyl | 0.10 | Metaldehyde | 0.10 | Metconazole | 0.10 |
| Methacrifos | 0.10 | Methamidophos | 0.10 | Methidathion | 0.10 | Methiocarb | 0.10 |
| Methiocarb-sulfone | 0.10 | Methiocarb-sulfoxide | 0.10 | Methiozolin | 0.10 | Methomyl | 0.10 |
| Methoxychlor | 0.10 | Methoxyfenozide | 0.10 | Metobromuron | 0.10 | Metolacarb | 0.10 |
| Metolachlor | 0.10 | Metrafenone | 0.10 | Metribuzin | 0.10 | Metsulfuron-methyl | 0.10 |
| Mevinphos | 0.10 | Mexacarbate | 0.10 | MGK-264 | 0.10 | Mirex | 0.10 |
| Molinate | 0.10 | Monocrotophos | 0.10 | Monolinuron | 0.10 | Myclobutanil | 0.10 |
| Naled | 0.10 | Napropamide | 0.10 | Neburon | 0.10 | Nicosulfuron | 0.10 |
| Nitrapyrin | 0.20 | Nitrofen | 0.20 | Norflurazon | 0.10 | Novaluron | 0.10 |
| Nuarimol | 0.20 | O-Phenylphenol | 0.50 | Omethoate | 0.10 | Oryzalin | 0.10 |
| Oxadiazon | 0.10 | Oxadixyl | 0.10 | Oxamyl | 0.10 | Oxamyl-oxime | 0.10 |
| Oxathiapiprolin | 0.10 | Oxychloridane | 0.10 | Oxydemeton-methyl | 0.10 | Oxyfluorfen | 0.10 |
| Oxythioquinox | 0.20 | Paclobutrazole | 0.10 | Paraoxon-ethyl | 0.10 | Paraoxon-methyl | 0.10 |
| Parathion-ethyl | 0.10 | Parathion-methyl | 0.30 | Penconazole | 0.10 | Pendimethalin | 0.10 |
| Penflufen | 0.10 | Pentachloroaniline | 0.10 | Pentachloroanisole | 0.10 | Pentachlorobenzene | 0.10 |
| Pentachlorophenol | 0.10 | Pentachlorothioanisole | 0.30 | Penthiopyrad | 0.10 | Permethrin | 0.10 |
| Perthane | 0.10 | Phenmedipham | 0.10 | Phenothrin | 0.10 | Phenthoate | 0.10 |
| Phorate | 0.10 | Phorate OA | 0.10 | Phorate-sulfone | 0.10 | Phorate-sulfoxide | 0.10 |
| Phosalone | 0.10 | Phosmet | 0.10 | Phosmet oxon | 0.10 | Phosphamidon | 0.10 |
| Phoxim | 0.10 | Picloram | 0.10 | Pinoxaden | 0.10 | Piperonyl butoxide | 0.10 |
| Pirimicarb | 0.10 | Pirimiphos-ethyl | 0.10 | Pirimiphos-methyl | 0.10 | Prallethrin | 0.10 |
| Primisulfuron-methyl | 0.10 | Prochloraz | 0.10 | Procymidone | 0.10 | Prodiamine | 0.10 |
| Profenofos | 0.10 | Profluralin | 0.10 | Promecarb | 0.10 | Prometon | 0.10 |
| Prometryn | 0.10 | Pronamide (Propyzamid) | 0.10 | Propachlor | 0.10 | Propamocarb | 0.10 |

Residue List

Method AOAC 2007.01

Units mg/kg

Analyzed 2025-05-29

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|------------------------|------|---------------------------|------|------------------|------|-------------------------|------|
| Propanil | 0.10 | Propargite | 0.10 | Propazine | 0.10 | Propetamphos | 0.10 |
| Propham | 0.10 | Propiconazole | 0.10 | Propoxur | 0.10 | Propoxycarbazone sodium | 0.10 |
| Prosulfuron | 0.10 | Prothioconazole | 0.10 | Prothiofos | 0.10 | Pydiflumetofen | 0.10 |
| Pymetrozine | 0.10 | Pyraclostrobin | 0.10 | Pyraflufen-ethyl | 0.10 | Pyrazophos | 0.10 |
| Pyrethrins (total) | 0.10 | Pyridaben | 0.10 | Pyridate | 0.10 | Pyrifluquinazon | 0.10 |
| Pyrimethanil | 0.10 | Pyriproxyfen | 0.10 | Pyroxasulfone | 0.10 | Pyroxulam | 0.10 |
| Quinalphos | 0.10 | Quinclorac | 0.10 | Quinoxifen | 0.10 | Quintozene (PCNB) | 0.10 |
| Quizalofop | 0.10 | Resmethrin | 0.10 | Rimsulfuron | 0.10 | Rotenone | 0.10 |
| S-421 | 0.10 | Saflufenacil | 0.10 | Sebuthylazine | 0.10 | Sedaxane | 0.10 |
| Sethoxydim | 0.10 | Siduron | 0.10 | Simazine | 0.10 | Simetryn | 0.10 |
| Spinetoram | 0.10 | Spinosad | 0.10 | Spirodiclofen | 0.10 | Spiromesifen | 0.10 |
| Spirotetramat | 0.10 | Spirotetramat enol | 0.10 | Spiroxamine | 0.10 | Sulfallate | 0.10 |
| Sulfentrazone | 0.30 | Sulfometuron-methyl | 0.10 | Sulfosulfuron | 0.10 | Sulfotep | 0.10 |
| Sulfoxaflor | 0.10 | Sulprofos | 0.10 | Tau-fluvalinate | 0.10 | Tebuconazole | 0.10 |
| Tebufenozide | 0.10 | Tebuthiuron | 0.10 | Tecnazene | 0.10 | Tefluthrin | 0.10 |
| Tembotrione | 0.10 | Terbacil | 0.40 | Terbufos | 0.10 | Terbufos-sulfone | 0.10 |
| Terbufos-sulfoxide | 0.10 | Terbutylazine | 0.10 | Terbutryn | 0.10 | Tetrachlorvinphos | 0.10 |
| Tetraconazole | 0.10 | Tetradifon | 0.10 | Tetramethrin | 0.10 | Tetrasul | 0.10 |
| Thiabendazol 5 hydroxy | 0.10 | Thiabendazole | 0.10 | Thiacloprid | 0.10 | Thiamethoxam | 0.10 |
| Thifensulfuron-methyl | 0.10 | Thiobencarb | 0.10 | Thiodicarb | 0.10 | Thiometon | 0.20 |
| Thionazin | 0.10 | Thiophanate-methyl | 0.10 | Tolclofos-methyl | 0.10 | Tolfenpyrad | 0.10 |
| Tolyfluanid | 0.10 | Topramezone | 0.10 | Tralkoxydim | 0.10 | Triadimefon | 0.10 |
| Triadimenol | 0.10 | Triallate | 0.10 | Triasulfuron | 0.10 | Triazophos | 0.10 |
| Tribenuron-methyl | 0.10 | Trichlorfon (Metrifonate) | 0.10 | Triclopyr | 0.20 | Trifloxystrobin | 0.10 |
| Trifloxysulfuron | 0.10 | Triflumizole | 0.10 | Trifluralin | 0.10 | Triflurosulfuron-methyl | 0.10 |
| Triforine | 0.10 | Trinexapac-ethyl | 0.10 | Triticonazole | 0.10 | Vinclozolin | 0.10 |
| Zoxamide | 0.10 | | | | | | |



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



**Kratom
Chain of Custody**

Lamp-Nutra-1747768828

| | | | | Testing | | | |
|---|-------------|---------------|---|--|---|--|---|
| Company Details 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: andy052025 Report Type: All Samples on Individual Reports Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Food Shelves | | S | | P2320 - Multi-Residue Pesticide Profile (Cannabis/Kratom) |
| # | Sample Name | Material | Amount Provided | Additional Test Requests and Sample Comments | | | |
| 1 | LNK-L55-B1 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 2 | LNK-L55-B2 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 3 | LNK-L55-B3 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 4 | LNK-L55-B4 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 5 | LNK-L55-B5 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 6 | LNK-L55-B6 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 7 | LNK-L55-B7 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 8 | LNK-L55-B8 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 9 | LNK-L55-B9 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 10 | LNK-L55-B10 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |

Package Details

[Kratom Quality & Safety Expanded](#): Heavy Metals Profile K/Kratom • Kratom Micro Profile • Mitragynine Full Alkaloid Panel

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | IR Therm. CL # |
|------------------|-------------------|--------------|-------------|-------------------|--------------|--------------------|----------------|
| <i>Andy Reed</i> | <i>05/20/2025</i> | <i>12:20</i> | <i>amp</i> | <i>05/21/2025</i> | <i>10:13</i> | <i>18.9</i> | <i>QL-0343</i> |

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

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



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



**Kratom
Chain of Custody**

Lamp-Nutra-1747768828

| | | | | Testing | | | | |
|---|-------------|---------------|-----------------|--|---|----|--|---|
| Company Details Company: <u>Lamp Nutra</u> Contact: <u>Andy Reed</u> Street Address: <u>3133 Tiger Run Court ste 105</u> City, State, Zip: <u>Carlsbad, CA 92010</u> Email: <u>areed@lampnutra.com</u> Contact Phone: <u>7602088909</u> Company Phone: <u>4423255166</u> Billing Information Billing Phone: <u>4423255166</u> Billing Email: <u>areed@lampnutra.com</u> | | | | Project Details Turnaround Time: <u>5 Business Days (Standard)</u> Sample Relinquishment Options: <u>By Shipping Service (USPS, UPS, Fedex)</u> PO Number: <u>andy052025</u> Report Type: <u>All Samples on Individual Reports</u> Receipt Information Evidence of Cooling?: <u>No</u> Sample Condition: <u>Satisfactory</u> Prelog Storage: <u>Food Shelves</u> | | 05 | | F2320 - Multi-Residue Pesticide Profile (Cannabis/Kratom) |
| # | Sample Name | Material | Amount Provided | Additional Test Requests and Sample Comments | ✓ | ✓ | | |
| 11 | LNK-L55-B11 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 12 | LNK-L55-B12 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 13 | LNK-L55-B13 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 14 | LNK-L55-B14 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 15 | LNK-L55-B15 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 16 | LNK-L55-B16 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 17 | LNK-L55-B17 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 18 | LNK-L55-B18 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 19 | LNK-L55-B19 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |
| 20 | LNK-L55-B20 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | | |

Package Details

Kratom Quality & Safety Expanded: Heavy Metals Profile K/Kratom • Kratom Micro Profile • Mitragynine Full Alkaloid Panel

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | IR Therm. CL # |
|------------------|-------------------|--------------|-------------|-------------------|--------------|--------------------|----------------|
| <i>Andy Reed</i> | <i>05/20/2025</i> | <i>12:20</i> | <i>amp</i> | <i>05/21/2025</i> | <i>10:13</i> | <i>18.9</i> | <i>CL-0843</i> |

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Kratom
Chain of Custody

Lamp-Nutra-1747768828

| | | | | | Testing | | |
|--|-------------|---------------|---|--|---------|---|--|
| Company Details 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 | | | Project Details Turnaround Time: 5 Business Days (Standard) Sample Relinquishment Options: By Shipping Service (USPS, UPS, Fedex) PO Number: andy052025 Report Type: All Samples on Individual Reports | | | | |
| Billing Information Billing Phone: 4423255166 Billing Email: areed@lampnutra.com | | | Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Food Shelves | | | | |
| # | Sample Name | Material | Amount Provided | Additional Test Requests and Sample Comments | | | |
| 21 | LNK-L55-B21 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 22 | LNK-L55-B22 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 23 | LNK-L55-B23 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 24 | LNK-L55-B24 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 25 | LNK-L55-B25 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 26 | LNK-L55-B26 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 27 | LNK-L55-B27 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 28 | LNK-L55-B28 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 29 | LNK-L55-B29 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |
| 30 | LNK-L55-B30 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | ✓ | ✓ | |

Package Details

Kratom Quality & Safety Expanded: Heavy Metals Profile K/Kratom • Kratom Micro Profile • Mitragynine Full Alkaloid Panel

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | IR Therm. CL # |
|------------------|-------------------|--------------|-------------|-------------------|--------------|--------------------|----------------|
| <i>Andy Reed</i> | <i>05/20/2025</i> | <i>12:20</i> | <i>amp</i> | <i>05/21/2025</i> | <i>10:13</i> | <i>18.9</i> | <i>CL-0843</i> |

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503-254-1794

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



Kratom
Chain of Custody

Lamp-Nutra-1747768828

| | | | | Testing | | | |
|---|-------------|---------------|---|--|---|--|--|
| Company Details 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: andy052025 Report Type: All Samples on Individual Reports Receipt Information Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Food Shelves | | 5 | P220 - Multi-Residue Pesticide Profile (Cannabis/Kratom) | |
| # | Sample Name | Material | Amount Provided | Additional Test Requests and Sample Comments | | | |
| 31 | LNK-L55-B31 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 32 | LNK-L55-B32 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 33 | LNK-L55-B33 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |
| 34 | LNK-L55-B34 | Kratom powder | 90 g | Please add mg per serving at 2g for Mit and 7 Hydro. Thank you | | | |

Package Details

Kratom Quality & Safety Expanded: Heavy Metals Profile K/Kratom • Kratom Micro Profile • Mitragynine Full Alkaloid Panel

| Relinquished By | Date | Time | Received By | Date | Time | Received Temp., °C | IR Therm. CL # |
|------------------|-------------------|--------------|-------------|-------------------|--------------|--------------------|----------------|
| <i>Andy Reed</i> | <i>05/20/2025</i> | <i>12:20</i> | <i>amp</i> | <i>05/21/2025</i> | <i>10:13</i> | <i>18.9</i> | <i>CL-0343</i> |

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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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.