

This is an amended version of report# 22-008780/D014.R000.  
Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B1  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0001  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	400	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>b</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>b</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	300	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>b</sup> <sub>1</sub>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>b</sup> <sub>2</sub>	Negative	pass	I

1) GENE-UP® Assay  
2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D020.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B1  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0001-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0156	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.30	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D017.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B2

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0002

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	2,600	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E. coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	100	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>b1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>b2</sup>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

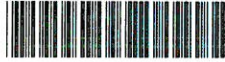
I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D018.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B2  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0002-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0169	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.22	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D019.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B3  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0003  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,700	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p2</sup>	Negative	pass	I

- 1) GENE-UP® Assay  
2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D015.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B3  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0003-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0211	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.34	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D024.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B4

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0004

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	600	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>b</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>b</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>b</sup> <sub>1</sub>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>b</sup> <sub>2</sub>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D016.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B4  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0004-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0160	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.16	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D021.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B5

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0005

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,700	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>b</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>b</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>b</sup> <sub>1</sub>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>b</sup> <sub>2</sub>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

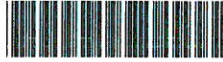
I: Insufficient sample received to meet method requirements.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.



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

Report Number: 22-008780/D025.R000  
Report Date: 08/01/2022  
Purchase Order: ANDY72522  
Received: 07/26/22 11:00 AM



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

Sample ID: LNK-L35-B5  
Sample Matrix: Kratom powder  
Laboratory ID: 22-008780-0005-01  
Evidence of Cooling: No  
Temp: 24 °C  
Relinquished by: UPS

### Sample Results

#### Mitragynine

#### Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0154	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.37	%	0.0500	07/29/22	In house method by HPLC-DAD	

#### 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.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
General Manager



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

Report Number: 22-008780/D023.R001  
 Report Date: 09/15/2022  
 Purchase Order: ANDY72522  
 Received: 07/26/22 11:00 AM



This is an amended version of report# 22-008780/D023.R000.  
 Reason: Added AHPA thresholds

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

Sample ID: LNK-L35-B6  
 Sample Matrix: Kratom powder  
 Laboratory ID: 22-008780-0006  
 Evidence of Cooling: No  
 Temp: 24 °C  
 Relinquished by: UPS

**Sample Results**

**Microbiology**

**Micro Profile L Rapid (M6000)**

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	500	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p2</sup>	Negative	pass	I

- 1) GENE-UP® Assay
- 2) GENE-UP® Assay

**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

**Glossary of Qualifiers**

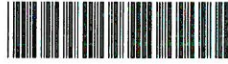
I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D022.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B6  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0006-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0115	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.24	%	0.0500	07/29/22	In house method by HPLC-DAD	

**Abbreviations**

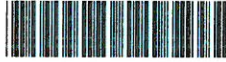
**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D006.R000.

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

**Sample ID:** LNK-L35-B7  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0007  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,400	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>b</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>b</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>b</sup>			
Mold (RAPID Petrifilm)	100	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>b</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>b1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>b2</sup>	Negative	pass	I

1) GENE-UP® Assay  
2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D005.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B7  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0007-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0145	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.26	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D003.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B8

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0008

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

## Sample Results

### Microbiology

#### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	3,900	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	100	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p2</sup>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

Report Number: 22-008780/D007.R000  
Report Date: 08/01/2022  
Purchase Order: ANDY72522  
Received: 07/26/22 11:00 AM



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

Sample ID: LNK-L35-B8  
Sample Matrix: Kratom powder  
Laboratory ID: 22-008780-0008-01  
Evidence of Cooling: No  
Temp: 24 °C  
Relinquished by: UPS

### Sample Results

#### Mitragynine

#### Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0134	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.25	%	0.0500	07/29/22	In house method by HPLC-DAD	

#### 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.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
General Manager



This is an amended version of report# 22-008780/D004.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B9

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0009

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	700	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p2</sup>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

**Sample ID:** LNK-L35-B9  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0009-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0140	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.35	%	0.0500	07/29/22	In house method by HPLC-DAD	

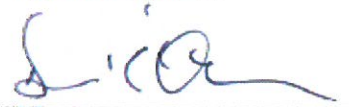
**Abbreviations**

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory



Derrick Tanner  
General Manager



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

**Report Number:** 22-008780/D013.R001  
**Report Date:** 09/15/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



This is an amended version of report# 22-008780/D013.R000.  
 Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B10  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0010  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Microbiology**

**Micro Profile L Rapid (M6000)**

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	100	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E. coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p2</sup>	Negative	pass	I

- 1) GENE-UP® Assay
- 2) GENE-UP® Assay

**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

**Glossary of Qualifiers**

I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D009.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B10  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0010-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0146	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.36	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D010.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B11  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0011  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	900	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>P</sup>	10,000,00	pass	
E.coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>P</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>P</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>P</sup>			
Mold (RAPID Petrifilm)	100	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>P</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>P</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>P1</sup>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>P2</sup>	Negative	pass	I

- 1) GENE-UP® Assay  
2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>P</sup> = ISO/IEC 17025:2017 accredited method.



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

**Report Number:** 22-008780/D008.R000  
**Report Date:** 08/01/2022  
**Purchase Order:** ANDY72522  
**Received:** 07/26/22 11:00 AM



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

**Sample ID:** LNK-L35-B11  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-008780-0011-01  
**Evidence of Cooling:** No  
**Temp:** 24 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

**Mitragynine + 7-Hydroxymitragynine (S3200)**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0137	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.27	%	0.0500	07/29/22	In house method by HPLC-DAD	

**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.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



This is an amended version of report# 22-008780/D011.R000.

Reason: Added AHPA thresholds

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

**Sample ID:** LNK-L35-B12

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-008780-0012

**Evidence of Cooling:** No

**Temp:** 24 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

##### Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	< LOQ	cfu/g	100	07/29/22 AOAC 990.12 (Petrifilm) <sup>p</sup>	10,000,00	pass	
E. coli	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	100	pass	
Total Coliforms	< LOQ	cfu/g	100	07/29/22 AOAC 991.14 (Petrifilm) <sup>p</sup>	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	07/28/22 AOAC 2003.07 <sup>p</sup>			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	07/30/22 AOAC 2014.05 (RAPID) <sup>p</sup>	50,000	pass	
Listeria spp.	Negative	/10g	-	07/28/22 AOAC 2019.10 <sup>p</sup> <sub>1</sub>			I
Salmonella spp. by PCR	Negative	/10g	-	07/28/22 AOAC 2020.02 <sup>p</sup> <sub>2</sub>	Negative	pass	I

1) GENE-UP® Assay

2) GENE-UP® Assay

#### 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

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.



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

Report Number: 22-008780/D002.R000  
Report Date: 08/01/2022  
Purchase Order: ANDY72522  
Received: 07/26/22 11:00 AM



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

Sample ID: LNK-L35-B12  
Sample Matrix: Kratom powder  
Laboratory ID: 22-008780-0012-01  
Evidence of Cooling: No  
Temp: 24 °C  
Relinquished by: UPS

### Sample Results

#### Mitragynine

#### Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine	0.0147	%	0.0100	07/29/22	In house method by HPLC-DAD	
Mitragynine	1.23	%	0.0500	07/29/22	In house method by HPLC-DAD	

#### 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.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
General Manager