



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

**Report Number:** 22-004303/D019.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B1

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0001-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

### Sample Results

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

#### Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D013.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B1

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0001-01

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0118	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine†	1.34	%	0.0500	04/20/22	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.

† = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



12423 NE Whitaker Way  
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 503-254-1794

**Report Number:** 22-004303/D017.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B2  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0002-00  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
<b>E. coli/Coliform Count (EC) Plate</b>						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g  
 cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



12423 NE Whitaker Way  
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 503-254-1794

**Report Number:** 22-004303/D016.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B2

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0002-01

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0121	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine†	1.47	%	0.0500	04/20/22	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.

† = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager

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

**Report Number:** 22-004303/D015.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B3

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0003-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	

**E. coli/Coliform Count (EC) Plate**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D014.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B3  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0003-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

### Sample Results

#### Mitragynine

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0117	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine†	1.57	%	0.0500	04/20/22	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.

† = Analyte not ISO accredited.

#### Units of Measure

% = Percentage of sample

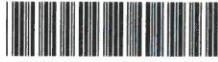
Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D018.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B4  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0004-00  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

#### Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D022.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B4  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0004-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

### Sample Results

#### Mitragynine

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0115	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.53	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D021.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B5  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0005-00  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

### Sample Results

#### Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	1,800	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

#### Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D020.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B5  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0005-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0110	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.49	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D023.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B6  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0006-00  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
<b>E. coli/Coliform Count (EC) Plate</b>						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	300	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g  
 cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager

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

**Report Number:** 22-004303/D006.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B6  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0006-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0106	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine†	1.42	%	0.0500	04/20/22	In house method by HPLC-DAD	

**Abbreviations**

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† = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D005.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B7

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0007-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
<b>E. coli/Coliform Count (EC) Plate</b>						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager

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12423 NE Whitaker Way  
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**Report Number:** 22-004303/D004.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B7

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0007-01

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0102	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.39	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D003.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B8

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0008-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

Microbiology						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g  
 cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager

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

**Report Number:** 22-004303/D007.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B8

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0008-01

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0117	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.44	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D011.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B9

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0009-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
<b>E. coli/Coliform Count (EC) Plate</b>						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D010.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B9  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0009-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0137	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine†	1.35	%	0.0500	04/20/22	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.

† = Analyte not ISO accredited.

**Units of Measure**

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D009.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B10  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0010-00  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	

**E. coli/Coliform Count (EC) Plate**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E. coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g  
 cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner  
 General Manager



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

**Report Number:** 22-004303/D008.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B10  
**Sample Matrix:** Kratom powder  
**Laboratory ID:** 22-004303-0010-01  
**Evidence of Cooling:** No  
**Temp:** 17 °C  
**Relinquished by:** UPS

**Sample Results**

**Mitragynine**

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0171	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.37	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

**Units of Measure**

% = 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:** 22-004303/D012.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B11

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0011-00

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

**Sample Results**

**Microbiology**

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		04/17/22	AOAC 2020.02 <sub>1</sub>	
<b>E. coli/Coliform Count (EC) Plate</b>						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	04/18/22	AOAC 991.14 (Petrifilm)	

1) 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.

**Units of Measure**

/25g = Per 25g  
 cfu/g = Colony forming units per gram

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:** 22-004303/D002.R000  
**Report Date:** 04/22/2022  
**Purchase Order:** andy41422  
**Received:** 04/15/22 10:31 AM



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

**Sample ID:** LNK-L31-B11

**Sample Matrix:** Kratom powder

**Laboratory ID:** 22-004303-0011-01

**Evidence of Cooling:** No

**Temp:** 17 °C

**Relinquished by:** UPS

### Sample Results

#### Mitragynine

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

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine <sup>†</sup>	0.0132	%	0.0100	04/20/22	In house method by HPLC-DAD	
Mitragynine <sup>†</sup>	1.49	%	0.0500	04/20/22	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.

<sup>†</sup> = Analyte not ISO accredited.

#### Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner  
 General Manager