



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

Report Number: 22-005434/D022.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B1

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0001-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/10g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E. coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

cfu/g = Colony forming units per gram
 /10g = Per 10 grams

Approved Signatory

Derrick Tanner
 General Manager



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

Report Number: 22-005434/D015.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B1

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0001-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0117	%	0.0100	05/12/22	In house method by HPLC-DAD	
Mitragynine†	1.40	%	0.0500	05/12/22	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

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: 22-005434/D019.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B2

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0002-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/15g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

/15g = Per 15g

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: 22-005434/D018.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B2

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0002-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0111	%	0.0100	05/12/22	In house method by HPLC-DAD	
Mitragynine [†]	1.44	%	0.0500	05/12/22	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: 22-005434/D016.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B3

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0003-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	05/14/22	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: 22-005434/D020.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B3

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0003-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0132	%	0.0100	05/12/22	In house method by HPLC-DAD	
Mitragynine†	1.47	%	0.0500	05/12/22	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

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: 22-005434/D021.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B4

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0004-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/15g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

/15g = Per 15g
 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: 22-005434/D017.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B4

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0004-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0121	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine [†]	1.27	%	0.0500	05/16/22	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: 22-005434/D027.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B5

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0005-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	05/14/22	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: 22-005434/D025.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B5
Sample Matrix: Kratom powder
Laboratory ID: 22-005434-0005-00
Evidence of Cooling: No
Temp: 21 °C
Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0124	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine†	1.38	%	0.0500	05/16/22	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: 22-005434/D024.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B6

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0006-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	100	cfu/g	100	05/14/22	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: 22-005434/D023.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B6
Sample Matrix: Kratom powder
Laboratory ID: 22-005434-0006-00
Evidence of Cooling: No
Temp: 21 °C
Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0125	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine†	1.36	%	0.0500	05/16/22	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: 22-005434/D006.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B7

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0007-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	05/14/22	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: 22-005434/D026.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B7

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0007-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0136	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine [†]	1.63	%	0.0500	05/16/22	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: 22-005434/D005.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B8

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0008-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/10g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	1,000	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

cfu/g = Colony forming units per gram
 /10g = Per 10 grams

Approved Signatory

Derrick Tanner
 General Manager



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

Report Number: 22-005434/D007.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B8

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0008-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0112	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine [†]	1.28	%	0.0500	05/16/22	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

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: 22-005434/D004.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B9

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0009-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/10g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E. coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	300	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

cfu/g = Colony forming units per gram
 /10g = Per 10 grams

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: 22-005434/D003.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B9

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0009-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0124	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine†	1.56	%	0.0500	05/16/22	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: 22-005434/D008.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B10

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0010-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	300	cfu/g	100	05/14/22	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: 22-005434/D012.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B10

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0010-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0109	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine†	1.24	%	0.0500	05/16/22	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: 22-005434/D010.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B11

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0011-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/10g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

cfu/g = Colony forming units per gram

/10g = Per 10 grams

Approved Signatory

Derrick Tanner
 General Manager



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

Report Number: 22-005434/D014.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B11

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0011-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0122	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine [†]	1.48	%	0.0500	05/16/22	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: 22-005434/D009.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B12

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0012-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/10g		05/13/22	AOAC 2020.02 ₁	I
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	05/14/22	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.

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Units of Measure

cfu/g = Colony forming units per gram
 /10g = Per 10 grams

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: 22-005434/D011.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B12

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0012-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine [†]	0.0126	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine [†]	1.44	%	0.0500	05/16/22	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

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: 22-005434/D002.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B13

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0013-01

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp. by PCR	Negative	/25g		05/13/22	AOAC 2020.02 ₁	
E. coli/Coliform Count (EC) Plate						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	100	05/14/22	AOAC 991.14 (Petrifilm)	
Total Coliforms	< LOQ	cfu/g	100	05/14/22	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: 22-005434/D013.R000
Report Date: 05/18/2022
Purchase Order: andy51022
Received: 05/11/22 10:24 AM



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

Sample ID: LNK-L32-B13

Sample Matrix: Kratom powder

Laboratory ID: 22-005434-0013-00

Evidence of Cooling: No

Temp: 21 °C

Relinquished by: UPS

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
7-Hydroxymitragynine†	0.0209	%	0.0100	05/16/22	In house method by HPLC-DAD	
Mitragynine†	1.47	%	0.0500	05/16/22	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

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.