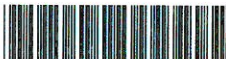




12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 23-000924/D011.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B1
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0001
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	800	cfu/g	100	01/27/23 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	01/26/23 AOAC 2019.10 ^{p1}			
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^{p2}	Negative	pass	

- 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

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

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner
 General Manager



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

Sample ID: LNK-L38-B1
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0001
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0496	%	0.0100	01/27/23 In house method by HPLC-DAD [Ⓟ]			
Mitragynine	1.01	%	0.0500	01/27/23 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.

[Ⓟ] = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

Approved Signatory



Derrick Tanner
General Manager



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

Report Number: 23-000924/D010.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B2
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0002
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	800	cfu/g	100	01/27/23 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Listeria spp.	Negative	/25g	-	01/26/23 AOAC 2019.10 ^{p1}			
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^{p2}	Negative	pass	

- 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

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

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory

Derrick Tanner
General Manager



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

Sample ID: LNK-L38-B2
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0002
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0444	%	0.0100	01/27/23 In house method by HPLC-DAD ^p			
Mitragynine	1.22	%	0.0500	01/27/23 In house method by HPLC-DAD ^p			

Abbreviations

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

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

Units of Measure

% = Percentage of sample

Approved Signatory



Derrick Tanner
General Manager



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

Report Number: 23-000924/D013.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B3
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0003
Evidence of Cooling: No
Temp: 14.8
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	01/27/23 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^b			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	100	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Listeria spp.	Negative	/25g	-	01/26/23 AOAC 2019.10 ^b ₁			
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^b ₂	Negative	pass	

- 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

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

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: 23-000924/D012.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B3
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0003
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0434	%	0.0100	01/27/23 In house method by HPLC-DAD ^p			
Mitragynine	1.11	%	0.0500	01/27/23 In house method by HPLC-DAD ^p			

Abbreviations

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

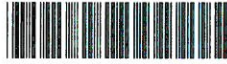
^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner
General Manager



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

Sample ID: LNK-L38-B4
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0004
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	300	cfu/g	100	01/27/23 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^b			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Listeria spp.	Negative	/15g	-	01/26/23 AOAC 2019.10 ^b ₁			I
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^b ₂	Negative	pass	

- 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.

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



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

Report Number: 23-000924/D003.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B4
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0004
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0495	%	0.0100	01/27/23 In house method by HPLC-DAD [‡]			
Mitragynine	1.30	%	0.0500	01/27/23 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.

[‡] = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner
General Manager



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

Sample ID: LNK-L38-B5
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0005
Evidence of Cooling: No
Temp: 14.8
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	01/27/23 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^b			
Mold (RAPID Petrifilm)	100	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Listeria spp.	Negative	/25g	-	01/26/23 AOAC 2019.10 ^b ₁			
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^b ₂	Negative	pass	

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

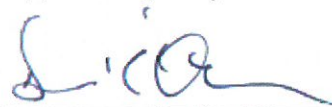
^b = ISO/IEC 17025:2017 accredited method.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

Approved Signatory



Derrick Tanner
General Manager



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

Sample ID: LNK-L38-B5
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0005
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0682	%	0.0100	01/27/23 In house method by HPLC-DAD ^P			
Mitragynine	1.54	%	0.0500	01/27/23 In house method by HPLC-DAD ^P			

Abbreviations

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

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

Units of Measure

% = Percentage of sample

Approved Signatory



Derrick Tanner
General Manager



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

Report Number: 23-000924/D006.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B6
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0006
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	1,000	cfu/g	100	01/27/23 AOAC 990.12 (Petrifilm) ^b	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	100	pass	
Total Coliforms	< LOQ	cfu/g	100	01/27/23 AOAC 991.14 (Petrifilm) ^b	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	01/26/23 AOAC 2003.07 ^b			
Mold (RAPID Petrifilm)	100	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	01/28/23 AOAC 2014.05 (RAPID) ^b	50,000	pass	
Listeria spp.	Negative	/25g	-	01/26/23 AOAC 2019.10 ^b ₁			
Salmonella spp. by PCR	Negative	/25g	-	01/26/23 AOAC 2020.02 ^b ₂	Negative	pass	

- 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

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

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: 23-000924/D002.R000
Report Date: 02/01/2023
Purchase Order: andy12022
Received: 01/23/23 09:50 AM



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

Sample ID: LNK-L38-B6
Sample Matrix: Kratom powder
Laboratory ID: 23-000924-0006
Evidence of Cooling: No
Temp: 14.8
Relinquished by: ups

Sample Results

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0652	%	0.0100	01/27/23 In house method by HPLC-DAD ^p			
Mitragynine	1.23	%	0.0500	01/27/23 In house method by HPLC-DAD ^p			

Abbreviations

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

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

Units of Measure

% = Percentage of sample

Approved Signatory

Derrick Tanner
General Manager