



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

Report Number: 23-011058/D001.R000
Report Date: 09/27/2023
Purchase Order: andy091523
Received: 09/18/23 10:18 AM



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

Sample ID: LNK-L43-B1
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0001
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Metals

Kratom Quality & Safety Expanded (S3500)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Arsenic	0.0642	mg/kg	0.0184	09/22/23 AOAC 2013.06 (mod.) ^P	1.50	pass	
Cadmium	0.0487	mg/kg	0.0184	09/22/23 AOAC 2013.06 (mod.) ^P	0.500	pass	
Lead	0.805	mg/kg	0.0184	09/22/23 AOAC 2013.06 (mod.) ^P	0.600	fail	
Mercury	0.0205	mg/kg	0.00919	09/22/23 AOAC 2013.06 (mod.) ^P	0.200	pass	
Nickel	3.12	mg/kg	0.0184	09/22/23 AOAC 2013.06 (mod.) ^P	20.0	pass	

Microbiology

Kratom Quality & Safety Expanded (S3500)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	11,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Enterobacteriaceae	< LOQ	cfu/g	100	09/21/23 AOAC 2003.01 ^P	10,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Salmonella spp. by PCR	Negative	/25g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	

Mitragynine

Kratom Quality & Safety Expanded (S3500)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0142	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Isorhynchophylline	< LOQ	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.26	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			
Mitraphylline	< LOQ	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			
Paynantheine	0.287	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			
Speciociliatine	0.264	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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Mitragynine

Kratom Quality & Safety Expanded (S3500)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Speciogynine	0.197	%	0.0500	09/22/23 In house method by HPLC-DAD ^b			



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

Sample ID: LNK-L43-B2
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0002
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	34,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	700	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	1,600	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0161	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.16	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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

Sample ID: LNK-L43-B3
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0003
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	3,200	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	600	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0149	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	0.929	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			

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

Sample ID: LNK-L43-B4
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0004
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	6,600	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	300	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

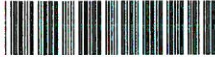
Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0216	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.37	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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

Sample ID: LNK-L43-B5
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0005
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	46,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

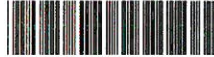
Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0240	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.48	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			

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

Sample ID: LNK-L43-B6
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0006
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	4,200	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0186	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	0.910	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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

Sample ID: LNK-L43-B7
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0007
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	2,400	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0201	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.15	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			

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

Sample ID: LNK-L43-B8
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0008
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	200	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0236	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.27	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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

Sample ID: LNK-L43-B9
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0009
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	6,200	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	400	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0298	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.45	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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

Sample ID: LNK-L43-B10
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0010
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	9,800	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^p	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^p	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^p	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^p			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^p	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^p	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^p			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^p	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0303	%	0.0100	09/22/23 In house method by HPLC-DAD ^p			
Mitragynine	1.17	%	0.0500	09/22/23 In house method by HPLC-DAD ^p			



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

Sample ID: LNK-L43-B11
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0011
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	4,400	cfu/g	100	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

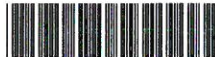
Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0191	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.15	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			

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

Report Number: 23-011058/D001.R000
Report Date: 09/27/2023
Purchase Order: andy091523
Received: 09/18/23 10:18 AM



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

Sample ID: LNK-L43-B12
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0012
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	8,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0124	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.18	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			



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Received: 09/18/23 10:18 AM



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

Sample ID: LNK-L43-B13
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0013
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	78,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	1,000	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	600	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0155	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.19	%	0.0500	09/22/23 In house method by HPLC-DAD ^P			

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 503-254-1794

Report Number: 23-011058/D001.R000
Report Date: 09/27/2023
Purchase Order: andy091523
Received: 09/18/23 10:18 AM



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

Sample ID: LNK-L43-B14
Sample Matrix: Kratom powder
Laboratory ID: 23-011058-0014
Evidence of Cooling: No
Temp: 22.5 °C

Sample Results

Microbiology

Micro Profile L Rapid (M6000)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	56,000	cfu/g	1,000	09/22/23 AOAC 990.12 (Petrifilm) ^P	10,000,000	pass	
E.coli	< LOQ	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	100	pass	
Total Coliforms	500	cfu/g	100	09/22/23 AOAC 991.14 (Petrifilm) ^P	10,000	pass	
Staphylococcus aureus	< LOQ	cfu/g	100	09/21/23 AOAC 2003.07 ^P			
Mold (RAPID Petrifilm)	2,000	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	100	09/22/23 AOAC 2014.05 (RAPID) ^P	50000	pass	
Listeria spp.	Negative	/25g	-	09/21/23 AOAC 2019.10 ^P			
Salmonella spp. by PCR	Negative	/10g	-	09/21/23 AOAC 2020.02 ^P	Negative	pass	I

Mitragynine

Mitragynine + 7-Hydroxymitragynine (S3200)

Analyte	Result	Units	LOQ	Analyzed Method	Threshold	Pass/Fail	Notes
7-Hydroxymitragynine	0.0139	%	0.0100	09/22/23 In house method by HPLC-DAD ^P			
Mitragynine	1.16	%	0.0500	09/22/23 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.

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.

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