



Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1670X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0001-00

Evidence of Cooling: No

Temp: 19.3 °C

Relinquished by: USPS

Metals Metals							
Heavy Metals Profile K							
Analyte	Result	Units	LOQ	Analyzed	Method	Notes	
Arsenic	0.197	mg/kg	0.00926	01/21/22	AOAC 2013.06 (mod.) ₁		
Cadmium	0.0367	mg/kg	0.00926	01/21/22	AOAC 2013.06 (mod.) ₁		
Lead	2.72	mg/kg	0.00926	01/21/22	AOAC 2013.06 (mod.) ₁		
Mercury	0.0163	mg/kg	0.00463	01/21/22	AOAC 2013.06 (mod.) ₁		
Nickel	2.50	mg/kg	0.0185	01/21/22	AOAC 2013.06 (mod.) ₁		

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0416	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.12	%	0.0500	01/19/22	In house method by HPLC-DAD				





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1671Y

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0002-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.253	mg/kg	0.00867	01/21/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0257	mg/kg	0.00867	01/21/22	AOAC 2013.06 (mod.) ₁			
Lead	0.407	mg/kg	0.00867	01/21/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0176	mg/kg	0.00434	01/21/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.20	mg/kg	0.0173	01/21/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)										
Analyte	Result	Units	LOQ	Analyzed	Method	Notes				
7-Hydroxymitragynine [†]	0.0487	%	0.0100	01/19/22	In house method by HPLC-DAD					
Mitragynine [†]	, , 3,									





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1672Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0003-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.289	mg/kg	0.00960	01/21/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0272	mg/kg	0.00960	01/21/22	AOAC 2013.06 (mod.) ₁			
Lead	0.538	mg/kg	0.00960	01/21/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0211	mg/kg	0.00480	01/21/22	AOAC 2013.06 (mod.) ₁			
Nickel	3.19	mg/kg	0.0192	01/21/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0504	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: K1673X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0004-00

Evidence of Cooling: No

Temp: 19.3 °C

Relinquished by: USPS

Metals Metals							
Heavy Metals Profile K							
Analyte	Result	Units	LOQ	Analyzed	Method	Notes	
Arsenic	0.165	mg/kg	0.00893	01/21/22	AOAC 2013.06 (mod.) ₁		
Cadmium	0.0276	mg/kg	0.00893	01/21/22	AOAC 2013.06 (mod.) ₁		
Lead	0.366	mg/kg	0.00893	01/21/22	AOAC 2013.06 (mod.) ₁		
Mercury	0.0168	mg/kg	0.00447	01/21/22	AOAC 2013.06 (mod.) ₁		
Nickel	1.86	mg/kg	0.0179	01/21/22	AOAC 2013.06 (mod.) ₁		

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0351	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.15	%	0.0500	01/19/22	In house method by HPLC-DAD				





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: K1674Y

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0005-00

Evidence of Cooling: No

140

Temp: 19.3 °C Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.230	mg/kg	0.00874	01/21/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0340	mg/kg	0.00874	01/21/22	AOAC 2013.06 (mod.) ₁			
Lead	0.300	mg/kg	0.00874	01/21/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0168	mg/kg	0.00437	01/21/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.51	mg/kg	0.0175	01/21/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)										
Analyte	Result	Units	LOQ	Analyzed	Method	Notes				
7-Hydroxymitragynine [†]	0.0353	%	0.0100	01/19/22	In house method by HPLC-DAD					
Mitragynine [†]	, , 3,									





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: K1675Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0006-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.261	mg/kg	0.00936	01/21/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0298	mg/kg	0.00936	01/21/22	AOAC 2013.06 (mod.) ₁			
Lead	0.414	mg/kg	0.00936	01/21/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0211	mg/kg	0.00468	01/21/22	AOAC 2013.06 (mod.) ₁			
Nickel	3.37	mg/kg	0.0187	01/21/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)										
Analyte	Result	Units	LOQ	Analyzed	Method	Notes				
7-Hydroxymitragynine [†]	0.0288	%	0.0100	01/19/22	In house method by HPLC-DAD					
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,									





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1676X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0007-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.215	mg/kg	0.00852	01/21/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0325	mg/kg	0.00852	01/21/22	AOAC 2013.06 (mod.) ₁			
Lead	0.537	mg/kg	0.00852	01/21/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0170	mg/kg	0.00426	01/21/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.79	mg/kg	0.0170	01/21/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0277	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1677Y

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0008-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.235	mg/kg	0.00929	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0284	mg/kg	0.00929	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.468	mg/kg	0.00929	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0172	mg/kg	0.00464	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.86	mg/kg	0.0186	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0303	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1678Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0009-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.197	mg/kg	0.00886	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0289	mg/kg	0.00886	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.405	mg/kg	0.00886	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0165	mg/kg	0.00443	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.83	mg/kg	0.0177	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0352	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1679X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0010-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.270	mg/kg	0.00970	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0279	mg/kg	0.00970	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.422	mg/kg	0.00970	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0152	mg/kg	0.00485	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.99	mg/kg	0.0194	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0393	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , , , , , , , , , , , , , , , , , , ,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1680X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0011-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.133	mg/kg	0.00955	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0198	mg/kg	0.00955	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.401	mg/kg	0.00955	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0139	mg/kg	0.00477	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.80	mg/kg	0.0191	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0374	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	Mitragynine [†] 1.14 % 0.0500 01/19/22 In house method by HPLC-DAD								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: N1681X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0012-00

Evidence of Cooling: No

140

Temp: 19.3 °C Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.157	mg/kg	0.00904	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0229	mg/kg	0.00904	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.573	mg/kg	0.00904	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0163	mg/kg	0.00452	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.91	mg/kg	0.0181	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)								
7-Hydroxymitragynine [†]	0.0430	%	0.0100	01/19/22	In house method by HPLC-DAD			
Mitragynine [†]	1.11	%	0.0500	01/19/22	In house method by HPLC-DAD			





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: O1682X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0013-00

Evidence of Cooling: No

Temp: 19.3 °C

Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.147	mg/kg	0.00763	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0212	mg/kg	0.00763	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.254	mg/kg	0.00763	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0145	mg/kg	0.00381	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.83	mg/kg	0.0153	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0422	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	, , 0,								





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1683X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0014-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.136	mg/kg	0.00982	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0213	mg/kg	0.00982	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.258	mg/kg	0.00982	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0143	mg/kg	0.00491	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.96	mg/kg	0.0196	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0528	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.12	%	0.0500	01/19/22	In house method by HPLC-DAD				





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: S1684X

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0015-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.133	mg/kg	0.00836	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0174	mg/kg	0.00836	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.291	mg/kg	0.00836	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0147	mg/kg	0.00418	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.72	mg/kg	0.0167	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine Mitragynine Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0354	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.01	%	0.0500	01/19/22	In house method by HPLC-DAD				





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1685Y

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0016-00

Evidence of Cooling: No

Temp: 19.3 °C

Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.179	mg/kg	0.00853	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0239	mg/kg	0.00853	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.365	mg/kg	0.00853	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0166	mg/kg	0.00426	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	1.85	mg/kg	0.0171	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0389	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.50	%	0.0500	01/19/22	In house method by HPLC-DAD				





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Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1686Y

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0017-00

Evidence of Cooling: No

Temp: 19.3 °C Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.139	mg/kg	0.00926	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0201	mg/kg	0.00926	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.385	mg/kg	0.00926	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0121	mg/kg	0.00463	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.19	mg/kg	0.0185	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0421	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.50	%	0.0500	01/19/22	In house method by HPLC-DAD				





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1687Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0018-00

Evidence of Cooling: No

Temp: 19.3 °C Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.203	mg/kg	0.00844	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0447	mg/kg	0.00844	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.457	mg/kg	0.00844	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0203	mg/kg	0.00422	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.31	mg/kg	0.0169	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
7-Hydroxymitragynine [†]	0.0487	%	0.0100	01/19/22	In house method by HPLC-DAD			
Mitragynine [†]	1.50	%	0.0500	01/19/22	In house method by HPLC-DAD			





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: N1688Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0019-00

Evidence of Cooling: No

Temp: 19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.223	mg/kg	0.00870	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0239	mg/kg	0.00870	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.575	mg/kg	0.00870	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0150	mg/kg	0.00435	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.35	mg/kg	0.0174	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0451	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.51	%	0.0500	01/19/22	In house method by HPLC-DAD				





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: O1689Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0020-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.233	mg/kg	0.00990	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0217	mg/kg	0.00990	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.388	mg/kg	0.00990	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0195	mg/kg	0.00495	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.29	mg/kg	0.0198	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
7-Hydroxymitragynine [†]	0.0543	%	0.0100	01/19/22	In house method by HPLC-DAD			
Mitragynine [†]	1.46	%	0.0500	01/19/22	In house method by HPLC-DAD			





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1690Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0021-00

Evidence of Cooling: No

Relinquished by:

Temp: 19.3 °C

USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.319	mg/kg	0.00815	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0196	mg/kg	0.00815	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.462	mg/kg	0.00815	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0206	mg/kg	0.00408	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.32	mg/kg	0.0163	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
7-Hydroxymitragynine [†]	0.0485	%	0.0100	01/19/22	In house method by HPLC-DAD			
Mitragynine [†]	1.48	%	0.0500	01/19/22	In house method by HPLC-DAD			





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: S1691Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0022-00

Evidence of Cooling: No

INO

Temp: 19.3 °C Relinquished by: USPS

Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.190	mg/kg	0.00907	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0194	mg/kg	0.00907	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.670	mg/kg	0.00907	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0165	mg/kg	0.00454	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.07	mg/kg	0.0181	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
7-Hydroxymitragynine [†]	0.0450	%	0.0100	01/19/22	In house method by HPLC-DAD			
Mitragynine [†]	1.40	%	0.0500	01/19/22	In house method by HPLC-DAD			





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: M1692Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0023-00

Evidence of Cooling: No

Temp: 19.3 °C Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.168	mg/kg	0.00993	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0228	mg/kg	0.00993	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.391	mg/kg	0.00993	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0185	mg/kg	0.00496	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.16	mg/kg	0.0199	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

	Mitragynine Mitragynine								
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0521	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.52	%	0.0500	01/19/22	In house method by HPLC-DAD				





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: N1693Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0024-00

Evidence of Cooling: No

Temp: 19.3 °C Relinquished by: USPS

Metals Metals								
Heavy Metals Profile K								
Analyte	Result	Units	LOQ	Analyzed	Method	Notes		
Arsenic	0.236	mg/kg	0.00897	01/25/22	AOAC 2013.06 (mod.) ₁			
Cadmium	0.0237	mg/kg	0.00897	01/25/22	AOAC 2013.06 (mod.) ₁			
Lead	0.488	mg/kg	0.00897	01/25/22	AOAC 2013.06 (mod.) ₁			
Mercury	0.0153	mg/kg	0.00449	01/25/22	AOAC 2013.06 (mod.) ₁			
Nickel	2.09	mg/kg	0.0179	01/25/22	AOAC 2013.06 (mod.) ₁			

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymit	ragynine (Basic P	lus)(S3200)						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0464	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.52	%	0.0500	01/19/22	In house method by HPLC-DAD				





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: O1694Z

Sample Matrix: Kratom powder

Laboratory ID: 22-000602-0025-00

Evidence of Cooling: No

Temp:

19.3 °C

Relinquished by: USPS

			Metals			
Heavy Metals Profile K						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.159	mg/kg	0.00981	01/25/22	AOAC 2013.06 (mod.) ₁	
Cadmium	0.0230	mg/kg	0.00981	01/25/22	AOAC 2013.06 (mod.) ₁	
Lead	0.346	mg/kg	0.00981	01/25/22	AOAC 2013.06 (mod.) ₁	
Mercury	0.0161	mg/kg	0.00491	01/25/22	AOAC 2013.06 (mod.) ₁	
Nickel	1.98	mg/kg	0.0196	01/25/22	AOAC 2013.06 (mod.) ₁	

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitragynine (Basic Plus)(S3200)									
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0406	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.45	%	0.0500	01/19/22	In house method by HPLC-DAD				





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM

Customer: HPJ LLC

5546 Camino Al Norte 2-479 North Las Vegas Nevada 89031 United States of America (USA)

Sample ID: B1695Z

Sample Matrix:

Laboratory ID: 22-000602-0026-00

Evidence of Cooling: No
Temp: 19.3 °C
Relinquished by: USPS

Sample Results

			Metals	5		
Heavy Metals Profile K						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Arsenic	0.228	mg/kg	0.00921	01/25/22	AOAC 2013.06 (mod.) ₁	
Cadmium	0.0142	mg/kg	0.00921	01/25/22	AOAC 2013.06 (mod.) ₁	
Lead	0.440	mg/kg	0.00921	01/25/22	AOAC 2013.06 (mod.) ₁	
Mercury	0.0232	mg/kg	0.00461	01/25/22	AOAC 2013.06 (mod.) ₁	
Nickel	2.00	mg/kg	0.0184	01/25/22	AOAC 2013.06 (mod.) ₁	

¹⁾ trace metals in food by Inductively Coupled Mass Spectrometry

Mitragynine									
Mitragynine + 7-Hydroxymitr	agynine (Basic P	lus)(S3200)						
Analyte	Result	Units	LOQ	Analyzed	Method	Notes			
7-Hydroxymitragynine [†]	0.0453	%	0.0100	01/19/22	In house method by HPLC-DAD				
Mitragynine [†]	1.45	%	0.0500	01/19/22	In house method by HPLC-DAD				

Abbreviations

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

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

Approved Signatory

Derrick Tanner General Manager

^{† =} Analyte not ISO accredited.





Report Number:

22-000602/D002.R000

Report Date:

01/26/2022

Purchase Order:

Received:

01/18/22 01:07 PM





Food and Feed Chain of Custody

Document Control ID: 2739 Revision: 1 Effective: 05/07/2021

Company: HPJ LLC		Testing Requi				Reque	sted				
Contact: (DAB RTEL 816- Street: 55/16 (an o Al No Street: 55/16 (an o Al No City: N-105/16 S State: NV Email Results: 95/140 Phone: Pax Results: (Billing (if different):	He 2-479 zip: 89031 gmail:com	3200	101						PO Number: Project Number: Project Name: Report Instructions: Tumaround time: Standard Rush " Priority Rush " **Ask for availability Sampled by:		
Lab Smpi# Client Sample Identification	Date Collected	8	Z						Sample Type Comments		
1 B1670X		1	1								
2 B16714		1	1								
3 B16727		1	1	\top	\top						
4 K1073X		1	1	\vdash	+	\Box	+	+			
5 K1674 Y		,	,	+	+	\vdash	+	++-			
110		·	/	+	+		+	-			
6 K1675Z		/	/	-	+	\vdash	-				
7 M1676X		/	/	-	_	\vdash	-				
8 MILE 77 Y		/	/	_		\Box					
9 MIG787		/	1		\perp						
10 MG79X		/	/								
* Relinquished by (Signature)	Date Time		Receiv	ed by (S	ignature))	Date	Time	Lab Use Only		
3	13/22			DS			1/18/22	13:07	DShipped Via: USP> or □ Client drop of □ Evidence of cooling: □ Yes No - Temp (°C): 19.3°		
									Sample in good condition: Se'es DNo		
						_		-	□ Cash □ Check □ CC □ Net:		
									Prelog storage:		

iomples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service. By signing "Relinquished by" you are agreeing to these terms

12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452

Page 1 of 3





Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM



Food and Feed Chain of Custody

Document Control ID: 2739 Revision: 1 Effective: 05/07/2021

Company:				Test	ng Req	uested			PO Number:
Contact:									Project Number:
Street:			1						Project Name:
City: State: Zip:			1						Report Instructions:
☐ Email Results:	0								Turnaround time: Standard Rush * Priority Rush *
Phone: ()	Ø	0							
Billing (If different):	3200	7	1						*Ask for availability Sampled by:
Lab Date	5	1=	7						
Smpl# Client Sample Identification Collected	V	_	1						Sample Type Comments
11 MI680X	1	1							
12 N1681X	1	1	Γ						
13 01682X	1	1							
14 R1683Y	1	1	T						
15 S1684X	1	/	T						
1 MW857	1	/	Τ						
17 N1686 Y	1	1	Γ						
18 M1687 Z	/	1							
19 N1688 Z	1	1							
20 016897	/	1							
* Relinquished by (Signature) Date Time		Rece	ived I	by (Signa	ture)	Date	9	Tin	
Y13/22			D	5		1/18/2	2	13:6	or □ Client drop off
""						1			Evidence of cooling: 🗆 Yes DEFNo - Temp (°C): 19.3 °C
									Sample in good condition: DYES DNo
									☐ Cash ☐ Check ☐ CC ☐ Net: Prelog storage:

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service. By signing "Relinquished by" you are agreeing to these terms

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Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM



Food and Feed Chain of Custody

Document Control ID: 2739 Revision: 1 Effective: 05/07/2021

Company				Testi	ng Req	uested	73			
Contact: Street:	State:								PO Number: Project Number: Project Name: Report Instructions: Turnaround time: Standard Rush "Ask for availat Sampled by:	n * □ Priority Rush *
	Date Ilected	8	4						Sample Type	Comments
21 R1690Z		/	/							
22 516917		7	/		\neg	+	+			
23 MIG927	_	7	7	+	+	+	+	+		
11000	-	$\frac{1}{2}$	+	+	+	++	+	+		
2 N16937		\mathcal{H}	4	+	-	++	+	+-		
25 016947		_	4	\perp		++	+			
26 B16957		/	/				\perp			
							T			
* Relinquished by (Signature) Date T	Time	F	Received	d by (Signa	ture)	Date		Time	Lab Use Only	Y
1/13/22			D	S		1/18/22	13	:07	Stripped Via: USPS Evidence of cooling: □ Yes MO - Te	emp (°C): 19.3°C
						-	+		Sample in good condition: SYes No Cash Check CC Net: Prelog storage:	

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in occordance with the surrent terms of service. By signing "Resinquished by" you are agreeing to these term

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Report Number: 22-000602/D002.R000

Report Date: 01/26/2022

Purchase Order:

Received: 01/18/22 01:07 PM



Document ID: 3177 Revision: 2 Effective: 06/25/2021 Page **1** of **1**

Job Number: Search Name:
Package/Cooler opened on (if different than received date/time) Date: 18/22 Time: 12:58
Received By (Initials): Logged in by (Initials): Date: Time:
Were custody seals on outside of the package/cooler? If YES, how many and where?
Does date match collection date on COC?YES NO NA
2) Was Chain of Custody (COC) included in the package/cooler?
3) Was COC signed when relinquished and received? (time, date)? YES NO NA
4) How was the package/cooler delivered?
UPS FEDEX USPS CLIENT COURIER OTHER:
Tracking Number (written in or copy of shipping label): 9405 5111 0798 4583 4580 0 7
5) Was packing material used? YES NO NA
Peanuts Bubble Wrap Foam Paper Other:
6) Was temperature upon receipt 4°C+- 2°C (if appropriate)? If not, client contacted: Proceed? YES NO NA YES NO
rioceed:
7) Was there evidence of cooling? YES NO NA
What kind? Blue Ice Cooler Packs Dry Ice
8) Were all sample containers sealed in separate plastic bags? YES NO NA
9) Did all sample containers arrive in good condition? YES NO NA
10) Were all sample container labels complete? YES NO NA
11) Did all sample container labels and tags agree with the COC? YES NO NA
12) Were correct sample containers used for the tests indicated? YES NO NA
13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA
14) Was a sufficient amount of sample sent in each sample container? (YES) NO NA
16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other:
Explain any discrepancies: (9, 3')