Columbia LABORATORIES
A Tentamus Company

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Report Number: 23-009918/D003.R001
Report Date: 09/08/2023
Purchase Order:
Received: 08/21/23 10:23 AM

This is an amended version of report# 23-009918/D003.R000.
Reason: Updated Sample ID

Customer: Kats Botanicals
United States of America (USA)

Sample ID: 45% softgel capsules Lot 307006 Expiration: 08/01/2025
Sample Matrix: Kratom Gel Caps
Laboratory ID: 23-009918-0001
Evidence of Cooling: No
Temp: 22.1 °C
Relinquished by: UPS

Sample Results

Metals

Heavy Metals Profile K

Analyte	Result	Units	LOQ	Analyzed	Method	Threshold	Pass/Fail	Notes
Arsenic	< LOQ	mg/kg	0.0363	08/25/23	AOAC 2013.06 (mod.)þ	2.08	pass	
Cadmium	< LOQ	mg/kg	0.0363	08/25/23	AOAC 2013.06 (mod.)þ	0.850	pass	
Lead	< LOQ	mg/kg	0.0363	08/25/23	AOAC 2013.06 (mod.)þ	1.25	pass	
Mercury	< LOQ	mg/kg	0.0182	08/25/23	AOAC 2013.06 (mod.)þ	0.410	pass	
Nickel	0.113	mg/kg	0.0363	08/25/23	AOAC 2013.06 (mod.)þ	20.0	pass	

Microbiology

Custom Microbiology Profile

Analyte	Result	Units	LOQ	Analyzed	Method	Threshold	Pass/Fail	Notes
Aerobic Plate Count	< LOQ	cfu/g	10	08/29/23	AOAC 990.12 (Petrifilm)þ	10,000	pass	
E.coli	< LOQ	cfu/g	10	08/29/23	AOAC 991.14 (Petrifilm)þ	100	pass	
Enterobacteriaceae	< LOQ	cfu/g	10	08/28/23	AOAC 2003.01þ	1,000	pass	
Mold (RAPID Petrifilm)	< LOQ	cfu/g	10	08/29/23	AOAC 2014.05 (RAPID)þ	1,000	pass	
Yeast (RAPID Petrifilm)	< LOQ	cfu/g	10	08/29/23	AOAC 2014.05 (RAPID)þ	1000	pass	
Salmonella spp. by PCR	Negative	/25g	-	08/28/23	AOAC 2020.02þ	Negative	pass	

Mitragynine

Mitragynine

Analyte	Result	Units	LOQ	Analyzed	Method	Threshold	Pass/Fail	Notes
Mitragynine	5.21	%	0.0500	08/25/23	In house method by HPLC-DADþ			

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.