

Certificate of Analysis

Sample Name: O.P.M.S. Silver Green Vein Malay 4oz Kratom Powder
Client: Choice Organics
Sample Code: DTS-250701-016
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jul 2, 2025
Published Date: Tue, Jul 8, 2025
Batch/Lot Code: 25170
Batch Size: N/A
Sample Size: 4oz
Average Unit Weight: 0.6g (0.6g serving, 189 servings per package)

RESULT SUMMARY	
Mitragynine	7.23 mg /serv
Total Major Alkaloids	11.85 mg /serv
Total Minor Alkaloids	0.01 mg /serv

ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	SAL Salmonella qPCR	ECOLI Total Coliforms & E. coli Plate	TAMC Total Aerobic Bacteria Plate
HVMET Heavy Metals Big 4	TYMFD Total Yeast & Mold Plate			

Approvals					
RESULTS REVIEWED BY:			RESULTS CERTIFIED BY:		
	Leslie Varela Laboratory Director	Cambium Analytica Tuesday, Jul 8, 2025		Douglas Smith VP - Scientific Operations	Cambium Analytica Tuesday, Jul 8, 2025
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<div>ALKU</div> <div>Kratom Alkaloids - High Level</div> <div>LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD</div> <div>ALKU-DTS-250701-016-02 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2051 %	12.0510 mg/g	7.23 mg	1366.58 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.3589 %	3.5890 mg/g	2.15 mg	406.99 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2597 %	2.5970 mg/g	1.56 mg	294.50 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1505 %	1.5050 mg/g	0.90 mg	170.67 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.9742 %	19.7420 mg/g	11.85 mg	2238.74 mg	N/A	N/A	N/A	N / A

<div>ALKL</div> <div>Kratom Alkaloids - Low Level</div> <div>LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ</div> <div>ALKL-DTS-250701-016-01 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00110 %	0.01100 mg/g	0.01 mg	1.25 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00000 %	0.00002 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00120 %	0.01200 mg/g	0.01 mg	1.36 mg	N/A	0.006 ug/g	0.03 ug/g	N / A



<div><div>SAL</div><div>Salmonella - qPCR - 25g</div><div>LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements</div><div>SAL-DTS-250701-016-01 - TUE, JUL 8, 2025</div></div> <div></div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella Spp	ND	N/A	N/A	N/A	N/A



<div>ECOLI</div> <div>Total Coliforms & E. coli - Plate - 25g - Full Range</div> <div>LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements</div> <div>ECOLI-DTS-250701-016-01 - MON, JUL 7, 2025</div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N / A
Total Coliforms	ND	N/A	10 CFU/g	10 CFU/g	N / A



<div>TAMC</div> <div>Total Aerobic Bacteria - Plate - 25g - Full Range</div> <div>LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements</div> <div>TAMC-DTS-250701-016-01 - MON, JUL 7, 2025</div>					
Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	N/A	1000 CFU/g	1000 CFU/g	N / A



HVMET		Heavy Metals - Big 4						ISO	
		LAB-TM-044 - Determination of Heavy Metals by ICP-MS						ISO 17025	
		HVMET-DTS-250701-016-01 - MON, JUL 7, 2025						ACC 100107	
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status	
Arsenic	0.224 ug/g	0.000 mg/g	0.13 ug	25.39 ug	N/A	0.509 ug/kg	2.062 ug/kg	N / A	
Cadmium	0.023 ug/g	0.000 mg/g	0.01 ug	2.57 ug	N/A	0.256 ug/kg	0.509 ug/kg	N / A	
Lead	0.892 ug/g	0.001 mg/g	0.54 ug	101.13 ug	N/A	0.255 ug/kg	0.515 ug/kg	N / A	
Mercury	0.016 ug/g	0.000 mg/g	0.01 ug	1.87 ug	N/A	0.025 ug/kg	0.057 ug/kg	N / A	

TYMFD		Total Yeast & Mold - Plate - 25g - Full Range				
		LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements				
		TYMFD-DTS-250701-016-01 - MON, JUL 7, 2025				
Analyte	Value	Action Limit	LOD	LOQ	Status	
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N / A	
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N / A	
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	N / A	

