

Certificate of Analysis

Sample Name: O.P.M.S. Silver Green Vein Thai 4oz Kratom Powder
Client: Choice Organics
Sample Code: DTS-250701-019
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: 25162
Batch Size: N/A
Sample Size: 4oz
Average Unit Weight: 0.6g (0.6g serving, 189 servings per package)

RESULT SUMMARY	
Mitragynine	7.49 mg /serv
Total Major Alkaloids	12.38 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:

Leslie Varela
Laboratory Director

Cambium Analytica
Tuesday, Jul 8, 2025

RESULTS CERTIFIED BY:

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-250701-019-02 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.2483 %	12.4830 mg/g	7.49 mg	1415.57 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.4040 %	4.0400 mg/g	2.42 mg	458.14 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.2591 %	2.5910 mg/g	1.55 mg	293.82 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.1525 %	1.5250 mg/g	0.92 mg	172.94 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	2.0639 %	20.6390 mg/g	12.38 mg	2340.46 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-250701-019-01 - MON, JUL 7, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00100 %	0.01000 mg/g	0.01 mg	1.13 mg	N/A	0.002 ug/g	0.011 ug/g	N / A
Mitraphylline	0.00000 %	0.00005 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N / A
Total Minor Alkaloids	0.00110 %	0.01100 mg/g	0.01 mg	1.25 mg	N/A	0.006 ug/g	0.03 ug/g	N / A



<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-250701-019-01 - TUE, JUL 8, 2025</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-250701-019-01 - 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-250701-019-01 - 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



<div><div>HVMET</div><div><div>Heavy Metals - Big 4</div><div>LAB-TM-044 - Determination of Heavy Metals by ICP-MS</div><div>HVMET-DTS-250701-019-01 - MON, JUL 7, 2025</div></div><div></div></div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.226 ug/g	0.000 mg/g	0.14 ug	25.57 ug	N/A	0.509 ug/kg	2.062 ug/kg	N / A
Cadmium	0.018 ug/g	0.000 mg/g	0.01 ug	2.10 ug	N/A	0.256 ug/kg	0.509 ug/kg	N / A
Lead	0.740 ug/g	0.001 mg/g	0.44 ug	83.90 ug	N/A	0.255 ug/kg	0.515 ug/kg	N / A
Mercury	0.015 ug/g	0.000 mg/g	0.01 ug	1.66 ug	N/A	0.025 ug/kg	0.057 ug/kg	N / A

<div><div>TYMFD</div><div><div>Total Yeast & Mold - Plate - 25g - Full Range</div><div>LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements</div><div>TYMFD-DTS-250701-019-01 - MON, JUL 7, 2025</div></div><div></div></div>					
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

