

Certificate of Analysis

Sample Name: O.P.M.S. Silver Red Vein Sumatra 4oz Kratom Powder
Client: Choice Organics
Sample Code: DTS-250701-028
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: 24306
Batch Size: N/A
Sample Size: 4oz
Average Unit Weight: 0.6g (0.6g serving, 189 servings per package)

RESULT SUMMARY	
Mitragynine	4.24 mg /serv
Total Major Alkaloids	7.43 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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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD

ALKU-DTS-250701-028-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.7073 %	7.0730 mg/g	4.24 mg	802.08 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	0.2707 %	2.7070 mg/g	1.62 mg	306.97 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	0.1604 %	1.6040 mg/g	0.96 mg	181.89 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	0.0996 %	0.9960 mg/g	0.60 mg	112.95 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	1.2380 %	12.3800 mg/g	7.43 mg	1403.89 mg	N/A	N/A	N/A	N / A

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ

ALKL-DTS-250701-028-01 - MON, JUL 7, 2025



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	ND	N/A	N/A	N/A	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

SAL

Salmonella - qPCR - 25g

LAB-TM-063 - Detection and Isolation of Salmonella spp. in Foods and Dietary Supplements

SAL-DTS-250701-028-01 - TUE, JUL 8, 2025



Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella Spp	ND	N/A	N/A	N/A	N / A

ECOLI

Total Coliforms & E. coli - Plate - 25g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements

ECOLI-DTS-250701-028-01 - MON, JUL 7, 2025



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

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-DTS-250701-028-01 - MON, JUL 7, 2025



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-250701-028-01 - MON, JUL 7, 2025</div></div><div></div></div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.296 ug/g	0.000 mg/g	0.18 ug	33.54 ug	N/A	0.509 ug/kg	2.062 ug/kg	<div>N / A</div>
Cadmium	0.023 ug/g	0.000 mg/g	0.01 ug	2.61 ug	N/A	0.256 ug/kg	0.509 ug/kg	<div>N / A</div>
Lead	0.707 ug/g	0.001 mg/g	0.42 ug	80.14 ug	N/A	0.255 ug/kg	0.515 ug/kg	<div>N / A</div>
Mercury	0.024 ug/g	0.000 mg/g	0.01 ug	2.69 ug	N/A	0.025 ug/kg	0.057 ug/kg	<div>N / A</div>

<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-250701-028-01 - 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	<div>N / A</div>
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	<div>N / A</div>
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	<div>N / A</div>

