

Certificate of Analysis

Sample Name: OPMS Red Capsules
Client: Neptune Marketing LLC
Sample Code: DTS-250813-036
Matrix Name: Pill - Capsule
Type / Result: Quality Assurance - Pass



Received Date: Thu, Aug 14, 2025
Published Date: Mon, Aug 18, 2025
Batch/Lot Code: LT 5175
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 0.75004g (1 capsule. 5 servings/package.)

RESULT SUMMARY	
Mitragynine	126.50 mg /serv
Total Major Alkaloids	197.07 mg /serv
Total Minor Alkaloids	0.26 mg /serv

ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

HPMET
Heavy Metals
Expanded 7

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Aug 18, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Aug 18, 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-250813-036-01 - MON, AUG 18, 2025</div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	16.8656 %	168.6561 mg/g	126.50 mg	632.49 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Paynantheine	3.7430 %	37.4304 mg/g	28.07 mg	140.37 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciociliatine	3.7121 %	37.1215 mg/g	27.84 mg	139.21 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Speciogynine	1.9541 %	19.5405 mg/g	14.66 mg	73.28 mg	N/A	0.3 ug/g	0.5 ug/g	N / A
Total Major Alkaloids	26.2748 %	262.7485 mg/g	197.07 mg	985.36 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-250813-036-01 - MON, AUG 18, 2025</div> <div></div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.03467 %	0.34669 mg/g	0.26 mg	1.30 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	0.03467 %	0.34669 mg/g	0.26 mg	1.30 mg	N/A	0.006 ug/g	0.03 ug/g	N / A

<div>HPMET</div> <div>Heavy Metals - Expanded 7</div> <div>LAB-TM-044 - Determination of Heavy Metals by ICP-MS</div> <div>HPMET-DTS-250813-036-01 - MON, AUG 18, 2025</div> <div></div>								
Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.077 ug/g	0.000 mg/g	0.06 ug	0.29 ug	N/A	0.509 ug/kg	2.062 ug/kg	N / A
Cadmium	0.001 ug/g	0.000 mg/g	0.00 ug	0.00 ug	N/A	0.256 ug/kg	0.509 ug/kg	N / A
Chromium	0.155 ug/g	0.000 mg/g	0.12 ug	0.58 ug	N/A	0.259 ug/kg	0.509 ug/kg	N / A
Copper	3.136 ug/g	0.003 mg/g	2.35 ug	11.76 ug	N/A	0.255 ug/kg	1.015 ug/kg	N / A
Lead	0.032 ug/g	0.000 mg/g	0.02 ug	0.12 ug	N/A	0.255 ug/kg	0.515 ug/kg	N / A
Mercury	0.002 ug/g	0.000 mg/g	0.00 ug	0.01 ug	N/A	0.025 ug/kg	0.057 ug/kg	N / A
Nickel	0.131 ug/g	0.000 mg/g	0.10 ug	0.49 ug	N/A	0.251 ug/kg	1.071 ug/kg	N / A

