Certificate of Analysis

Sample Name: OPMS Black Capsules
Client: Choice Organics
Sample Code: DTS-250626-060
Matrix Name: Pill - Capsule
Type / Result: Compliance - N/A

cambium analytica



Received Date:	Fri, Jun 27, 2025
Published Date:	Wed, Jul 02, 2025
Batch/Lot Code:	4361
Batch Size:	N/A
Sample Size:	1 U
Average Unit Weight:	0.818 g

RESULT SUMMARY

Total Major Alkaloids	174.22 mg/serv
Mitragynine	99.59 mg/serv
Total Minor Alkaloids	0.33 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 — Wed, Jul 02, 2025

RESULTS CERTIFIED BY:

Douglas Smith — VP - Scientific Operations — Cambium Analytica — Wed, Jul 02, 2025

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Address: 1230 Woodmere Ave, Traverse City, MI 49686 Phone: 231.252.3669 Accreditation: ISO/IEC 17025:2017

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250626-060-01 - THU, JUN 26, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	12.172 %	121.72 mg/g	99.59 mg	99.59 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	4.5156 %	45.156 mg/g	36.95 mg	36.95 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	2.9871 %	29.871 mg/g	24.44 mg	24.44 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	1.6181 %	16.181 mg/g	13.24 mg	13.24 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	21.2928 %	212.928 mg/g	174.22 mg	174.22 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-250626-060-01 - THU, JUN 26, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.02663 %	0.26634 mg/g	0.22 mg	0.22 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00079 %	0.00788 mg/g	0.01 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.04018 %	0.40176 mg/g	0.33 mg	0.33 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-250626-060-01 - THU, JUN 26, 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-250626-060-01 - THU, JUN 26, 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-250626-060-01 - THU, JUN 26, 2025

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

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-250626-060-01 - THU, JUN 26, 2025

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.002 ug/g	0 mg/g	0 ug	0 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.001 ug/g	0 mg/g	0 ug	0 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-250626-060-01 - THU, JUN 26, 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