

Certificate of Analysis



Sample Name: White Capsules
Client: Top Tree Herbs
Sample Code: DTS-250716-079
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass



Received Date: Tue, Jul 22, 2025
Published Date: Fri, Jul 25, 2025
Batch/Lot Code: TTHWC01075
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 0.719283g (One serving is 4 capsules. 17.5 servings/package.)

RESULT SUMMARY

Mitragynine	24.51 mg /serv
Total Major Alkaloids	44.16 mg /serv
Total Minor Alkaloids	0.07 mg /serv

ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

TAMC
Total Aerobic Bacteria
Plate

SS
Salmonella & STEC
qPCR

HPMET
Heavy Metals
Expanded 7

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Jul 25, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Jul 25, 2025

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Address: 1230 Woodmere Ave, Traverse City, MI 49686 Phone: 231.252.3669 Accreditation: ISO/IEC 17025:2017 – #108157



ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250716-079-01 - THU, JUL 24, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8520 %	8.5200 mg/g	24.51 mg	428.98 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3516 %	3.5160 mg/g	10.12 mg	177.03 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2216 %	2.2160 mg/g	6.38 mg	111.58 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogygine	0.1097 %	1.0970 mg/g	3.16 mg	55.23 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.5349 %	15.3490 mg/g	44.16 mg	772.82 mg	N/A	N/A	N/A	N/A

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-250716-079-01 - FRI, JUL 25, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00228 %	0.02277 mg/g	0.07 mg	1.15 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00002 %	0.00024 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00230 %	0.02301 mg/g	0.07 mg	1.16 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

TAMC

Total Aerobic Bacteria - Plate - 25g - Full RangeLAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-250716-079-01 - THU, JUL 24, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	46000 CFU/g	N/A	1000 CFU/g	1000 CFU/g	N/A

Due to limited sample quantity submitted, testing was conducted on a 1-gram aliquot

SS

Salmonella & STEC - qPCRLAB-TM-006 - Microbial Analysis by qPCR
SS-DTS-250716-079-01 - FRI, JUL 25, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella Spp	ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli	ND	N/A	N/A	N/A	N/A

HPMET

Heavy Metals - Expanded 7LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HPMET-DTS-250716-079-01 - THU, JUL 24, 2025

Analyte	Value	Value (mg/g)	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	0.023 ug/g	0.000 mg/g	0.07 ug	1.17 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Chromium	0.449 ug/g	0.000 mg/g	1.29 ug	22.62 ug	N/A	0.259 ug/kg	0.509 ug/kg	N/A
Copper	12.009 ug/g	0.012 mg/g	34.55 ug	604.63 ug	N/A	0.255 ug/kg	1.015 ug/kg	N/A
Lead	0.282 ug/g	0.000 mg/g	0.81 ug	14.18 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.011 ug/g	0.000 mg/g	0.03 ug	0.54 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A
Nickel	1.618 ug/g	0.002 mg/g	4.66 ug	81.48 ug	N/A	0.251 ug/kg	1.071 ug/kg	N/A

