Certificate of Analysis

Sample Name: Whole Herbs Green Vein Malay100g Kratom Powder
Client: Kono Labs
Sample Code: DTS-250701-044
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass

cambium analytica



Received Date:	Wed, Jul 2, 2025
Published Date:	Tue, Jul 8, 2025
Batch/Lot Code:	25163
Batch Size:	N/A
Sample Size:	100g
Average Unit Weight:	100g

RESULT SUMMARY

Mitragynine	1108.8 mg /serv
Total Major Alkaloids	1863.20 mg /serv
Total Minor Alkaloids	2.7 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

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-044-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.1088 %	11.0880 mg/g	1108.8 mg	1108.8 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3823 %	3.8230 mg/g	382.30 mg	382.30 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2352 %	2.3520 mg/g	235.2 mg	235.2 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1369 %	1.3690 mg/g	136.9 mg	136.9 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.8632 %	18.6320 mg/g	1863.20 mg	1863.20 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-250701-044-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00240 %	0.02400 mg/g	2.4 mg	2.4 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	0.00270 %	0.02700 mg/g	2.7 mg	2.7 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-250701-044-01 - 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-250701-044-01 - 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-250701-044-01 - 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

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS

HVMET-DTS-250701-044-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.252 ug/g	0.000 mg/g	25.16 ug	25.16 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.020 ug/g	0.000 mg/g	2.02 ug	2.02 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.722 ug/g	0.001 mg/g	72.20 ug	72.2 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.017 ug/g	0.000 mg/g	1.68 ug	1.68 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-250701-044-01 - MON, JUL 7, 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