Certificate of Analysis

Sample Name: Whole Herbs Green Vein Borneo 100g Kratom Powder
Client: Kono Labs
Sample Code: DTS-250701-045
Matrix Name: Botanical Powder - Plant
Type / Result: Quality Assurance - Pass

cambium analytica



Received Date:	Wed, Jul 2, 2025
Published Date:	Fri, Jul 11, 2025
Batch/Lot Code:	25092
Batch Size:	N/A
Sample Size:	100g
Average Unit Weight:	100g

RESULT SUMMARY

Mitragynine	1392.8 mg /serv
Total Major Alkaloids	2225.5 mg /serv
Total Minor Alkaloids	2.4 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
Friday, Jul 11, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Jul 11, 2025

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-045-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.3928 %	13.9280 mg/g	1392.8 mg	1392.8 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3591 %	3.5910 mg/g	359.10 mg	359.10 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2984 %	2.9840 mg/g	298.4 mg	298.4 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1752 %	1.7520 mg/g	175.2 mg	175.2 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.2255 %	22.2550 mg/g	2225.5 mg	2225.5 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-250701-045-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00220 %	0.02200 mg/g	2.2 mg	2.2 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00001 %	0.00008 mg/g	0.01 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00240 %	0.02400 mg/g	2.4 mg	2.4 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-250701-045-01 - FRI, JUL 11, 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-250701-045-01 - 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-250701-045-01 - 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-250701-045-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.170 ug/g	0.000 mg/g	17.00 ug	17 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.024 ug/g	0.000 mg/g	2.43 ug	2.43 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.718 ug/g	0.001 mg/g	71.77 ug	71.77 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.020 ug/g	0.000 mg/g	1.97 ug	1.97 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-250701-045-01 - 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