Certificate of Analysis

Sample Name: Whole Herbs Green Vein Maeng Da 100g Kratom Powder
Client: Kono Labs
Sample Code: DTS-250701-042
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:	25002
Batch Size:	N/A
Sample Size:	100g
Average Unit Weight:	100g

RESULT SUMMARY

Mitragynine	1437.3 mg /serv
Total Major Alkaloids	2272.9 mg /serv
Total Minor Alkaloids	1 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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Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-042-02 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.4373 %	14.3730 mg/g	1437.3 mg	1437.3 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3522 %	3.5220 mg/g	352.2 mg	352.2 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.3024 %	3.0240 mg/g	302.40 mg	302.40 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1810 %	1.8100 mg/g	181.00 mg	181.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	2.2729 %	22.7290 mg/g	2272.9 mg	2272.9 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-250701-042-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00090 %	0.00900 mg/g	0.90 mg	0.90 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	0.00100 %	0.01000 mg/g	1 mg	1 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-250701-042-01 - 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-250701-042-01 - 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-250701-042-01 - 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-250701-042-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.151 ug/g	0.000 mg/g	15.07 ug	15.07 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.024 ug/g	0.000 mg/g	2.42 ug	2.42 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.607 ug/g	0.001 mg/g	60.70 ug	60.7 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.013 ug/g	0.000 mg/g	1.26 ug	1.26 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-250701-042-01 - 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