Certificate of Analysis

Sample Name: Whole Herbs Red Vein Maeng Da 100g Kratom Powder
Client: Kono Labs
Sample Code: DTS-250701-041
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:	25011
Batch Size:	N/A
Sample Size:	100g
Average Unit Weight:	100g

RESULT SUMMARY

Mitragynine	750.40 mg /serv
Total Major Alkaloids	1335.9 mg /serv
Total Minor Alkaloids	0.7 mg /serv

ALKU ✓	ALKL ✓	SAL ✓	ECOLI ✓	TAMC ✓
Kratom Alkaloids	Kratom Alkaloids	Salmonella	Total Coliforms & E. coli	Total Aerobic Bacteria
High Level	Low Level	qPCR	Plate	Plate

HVMET ✓	TYMFD ✓
Heavy Metals	Total Yeast & Mold
Big 4	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

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-041-02 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.7504 %	7.5040 mg/g	750.40 mg	750.40 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3233 %	3.2330 mg/g	323.30 mg	323.30 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1665 %	1.6650 mg/g	166.50 mg	166.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0957 %	0.9570 mg/g	95.70 mg	95.70 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.3359 %	13.3590 mg/g	1335.9 mg	1335.9 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-250701-041-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00070 %	0.00700 mg/g	0.7 mg	0.7 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	0.00070 %	0.00700 mg/g	0.7 mg	0.7 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-250701-041-01 - 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-250701-041-01 - 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-250701-041-01 - 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-250701-041-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.305 ug/g	0.000 mg/g	30.54 ug	30.54 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.046 ug/g	0.000 mg/g	4.6 ug	4.6 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.461 ug/g	0.000 mg/g	46.11 ug	46.11 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.017 ug/g	0.000 mg/g	1.67 ug	1.67 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-250701-041-01 - 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