Certificate of Analysis

Sample Name: Whole Herbs Red Vein Bali 100g Kratom Powder
Client: Kono Labs
Sample Code: DTS-250701-036
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:	25006
Batch Size:	N/A
Sample Size:	100g
Average Unit Weight:	100g

RESULT SUMMARY

Mitragynine	839.00 mg /serv
Total Major Alkaloids	1456.70 mg /serv
Total Minor Alkaloids	1.2 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

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-250701-036-02 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.8390 %	8.3900 mg/g	839.00 mg	839.00 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.3219 %	3.2190 mg/g	321.90 mg	321.90 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1863 %	1.8630 mg/g	186.30 mg	186.30 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1095 %	1.0950 mg/g	109.5 mg	109.5 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.4567 %	14.5670 mg/g	1456.70 mg	1456.70 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-250701-036-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00110 %	0.01100 mg/g	1.1 mg	1.1 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	0.00120 %	0.01200 mg/g	1.2 mg	1.2 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-250701-036-01 - 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-250701-036-01 - 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-250701-036-01 - 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-250701-036-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.352 ug/g	0.000 mg/g	35.22 ug	35.22 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.015 ug/g	0.000 mg/g	1.47 ug	1.47 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.770 ug/g	0.001 mg/g	76.98 ug	76.98 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-250701-036-01 - 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