Certificate of Analysis

Sample Name: Remarkable Herbs Red Vein Bali 3oz Kratom Powder
Client: RH Natural Products
Sample Code: DTS-250701-056
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:	25174
Batch Size:	N/A
Sample Size:	3oz
Average Unit Weight:	0.6g (0.6g serving. 142 servings per package)

RESULT SUMMARY

Mitragynine	5.63 mg /serv
Total Major Alkaloids	9.48 mg /serv
Total Minor Alkaloids	0.01 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-250701-056-02 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.9385 %	9.3850 mg/g	5.63 mg	799.60 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.2965 %	2.9650 mg/g	1.78 mg	252.62 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2151 %	2.1510 mg/g	1.29 mg	183.27 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1301 %	1.3010 mg/g	0.78 mg	110.85 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.5802 %	15.8020 mg/g	9.48 mg	1346.33 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-250701-056-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00150 %	0.01500 mg/g	0.01 mg	1.28 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	0.00160 %	0.01600 mg/g	0.01 mg	1.36 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-250701-056-01 - 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-250701-056-01 - 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-250701-056-01 - 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-250701-056-01 - MON, JUL 7, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.234 ug/g	0.000 mg/g	0.14 ug	19.91 ug	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	0.021 ug/g	0.000 mg/g	0.01 ug	1.80 ug	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.425 ug/g	0.000 mg/g	0.26 ug	36.23 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.016 ug/g	0.000 mg/g	0.01 ug	1.36 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-250701-056-01 - 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