

CERTIFICATE OF ANALYSIS



SAMPLE NAME: RED POWDER HULU KAPUAS

SAMPLE CODE: DTS-240910-032

CLIENT: BOTANAWAY - TOP TREE HERBS

BATCH RESULT: PASS

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MATRIX NAME: Botanical Powder - Plant

SAMPLE TYPE: Compliance

RECEIVED DATE: Fri, Sep 13, 2024

PUBLISHED DATE: Thu, Sep 19, 2024

BATCH/LOT CODE: 24-254R

BATCH SIZE: N/A

SAMPLE SIZE: 1U

MITRAGYNINE 0.64 %

TOTAL MAJOR ALKALOIDS 1.245 %

TOTAL MINOR ALKALOIDS 0.00336 %

ALKU ✓

Kratom Alkaloids
High Level

ALKL ✓

Kratom Alkaloids
Low Level

SAL ✓

Salmonella
25g qPCR

TAMC ✓

Total Aerobic Bacteria
Plate

TYMFD ✓

Total Yeast & Mold
Plate

HPMET ✓

Heavy Metals
7

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Thursday, Sep 19, 2024

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Thursday, Sep 19, 2024

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ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-240910-032-02 - WED, SEP 18, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.64 %	6.40 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.426 %	4.258 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.118 %	1.175 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.061 %	0.614 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.245 %	12.447 mg/g	N/A			N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-240910-032-01 - TUE, SEP 10, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00312 %	0.03116 mg/g	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00024 %	0.00243 mg/g	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00336 %	0.03359 mg/g	N/A	0.006 ug/g	0.03 ug/g	N/A

SAL

SALMONELLA - 25G QPCRLAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS
SAL-DTS-240910-032-01 - TUE, SEP 10, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A	N/A	N/A	N/A

TAMC

TOTAL AEROBIC BACTERIA - PLATELAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-240910-032-01 - TUE, SEP 10, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	89000 CFU/g	N/A	1000 CFU/g	1000 CFU/g	N/A

TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-240910-032-01 - TUE, SEP 10, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	>1500 CFU/g	N/A	10 CFU/g	10 CFU/g	N/A



HPMET

HEAVY METALS - 7LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HPMET-DTS-240910-032-01 - TUE, SEP 10, 2024

ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.151 ug/g	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	0.083 ug/g	N/A	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	5.388 ug/g	N/A	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	15.109 ug/g	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	0.211 ug/g	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.007 ug/g	N/A	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	3.857 ug/g	N/A	N/A	0.321 ug/kg	1.071 ug/kg	N/A

