Certificate of Analysis

Sample Name: 45% Softgels
Client: Kats Botanicals
Sample Code: DTS-241203-042
Matrix Name: Pill - Softgel
Type / Result: Quality Assurance - N/A

cambium analytica



Received Date: Thu, Dec 05, 2024
Published Date: Wed, Dec 11, 2024
Batch/Lot Code: 062627/053027
Batch Size: N/A
Sample Size: 70 g
Average Unit Weight: 0.591 g

RESULT SUMMARY

Total Major Alkaloids	36.11 mg/serv
Mitragynine	25.35 mg/serv
Total Minor Alkaloids	0.03 mg/serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director
Cambium Analytica
Wed, Dec 11, 2024

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wed, Dec 11, 2024

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ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-241203-042-03 - TUE, DEC 03, 2024

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	4.2864 %	42.864 mg/g	25.35 mg	25.35 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.8553 %	8.553 mg/g	5.06 mg	5.06 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.512 %	5.12 mg/g	3.03 mg	3.03 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.4515 %	4.515 mg/g	2.67 mg	2.67 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	6.1052 %	61.052 mg/g	36.11 mg	36.11 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-241203-042-01 - TUE, DEC 03, 2024

Analyte	Value	Value (mg)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00425 %	0.04255 mg/g	0.03 mg	0.03 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00004 %	0.00039 mg/g	0 mg	0 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00429 %	0.04294 mg/g	0.03 mg	0.03 mg	N/A	0.006 ug/g	0.03 ug/g	N/A