CERTIFICATE OF ANALYSIS

SAMPLE NAME: 45% SOFTGEL 041127
SAMPLE CODE: DTS-241203-040
CLIENT: KATS BOTANICALS
BATCH RESULT: PASS

cambium analytica
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Traverse City, MI 49686
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MATRIX NAME: Pill - Softgel
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Thu, Dec 5, 2024
PUBLISHED DATE: Wed, Dec 11, 2024
BATCH/LOT CODE: PDXAGLTSG-120324
BATCH SIZE: N/A
SAMPLE SIZE: 70g
AVERAGE UNIT WEIGHT: 0.591488g

MITRAGYNINE	25.35 mg / serv
TOTAL MAJOR ALKALOIDS	36.11 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
Wednesday, Dec 11, 2024

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wednesday, 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-241203-040-03 - TUE, DEC 3, 2024

ANALYTE	VALUE	VALUE (MG/G)	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	0.5120 %	5.120 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

ALKL

KRATOM ALKALOIDS - LOW LEVEL

LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-241203-040-01 - TUE, DEC 3, 2024

ISO 17025 ACC#108157

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00425 %	0.043 mg/g	0.03 mg	0.03 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00004 %	0.000 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	**0.00429 %**	**0.043 mg/g**	**0.03 mg**	**0.03 mg**	N/A	0.006 ug/g	0.03 ug/g	N/A