



GREEN HORN
Certificate of Analysis

R&D

Client Information:

SWEET SOUTHERN TRADE
599 B JOHN SIMS PKWY WEST
NICEVILLE, FL 32578

Batch # Green #25164
Batch Date: 2025-06-13
Extracted From: Kratom Leaf

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Order # SWE250624-030001
Order Date: 2025-06-24
Sample # AAGV833
Number of Units: 1
Net Weight per Unit: 13873.000 mg
Sampling Method: MSP 7.3.1

Sampling Date: 2025-06-26
Lab Batch Date: 2025-06-26
Completion Date: 2025-07-02

Serving Number: 0.00000

Initial Gross Weight: 18.073 g
Net Weight: 13.873 g



Kratom Alkaloids
Specimen Weight: 214.100 mg

SOP 13.062 Kratom Alkaloids
(LCMS)

Tested

Total Detectable Alkaloids

Total Kratom Alkaloids
3.138% **435.335mg**

Analyte	LOQ (%)	Result (mg/g)	(%)
Mitragynine	0.0146	13.7400	1.374
Paynanthelene	0.0146	11.2100	1.121
Specioclathrine	0.0146	3.0840	0.3084
Speciogynine	0.0146	2.9670	0.2967
Corynoxine B	0.0146	0.3791	0.03791
7-Hydroxy Mitragynine	0.0146	<LOQ	<LOQ
Isorhynchophylline	0.0146	<LOQ	<LOQ
Mitraphylline	0.0146	<LOQ	<LOQ

Prep. By: 1050 Date: 2025-06-30 15:42:02 Analyzed By: 1050 Date: 2025-06-30 15:39:24
Reviewed By: 1010 Date: 2025-07-02 17:00:19 Lab Batch #: AAGV833-412 Date: 2025-07-02 17:00:19

Kratom Heavy Metals
Specimen Weight: 250.000 mg

SOP 13.051 (ICP-3;
Icp-1)

Tested

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.019	100	1500	558	Manganese (Mn)	.04694	1000	9000000	3320000
Cadmium (Cd)	.004	100	300	<LOQ	Mercury (Hg)	.010	100	500	<LOQ
Lead (Pb)	.044	100	1000	339	Nickel (Ni)	.149	250	200000	3190

Prep. By: 1204 Date: 2025-06-27 19:15:53 Analyzed By: 1264 Date: 2025-06-27 19:15:53
Reviewed By: 1204 Date: 2025-06-30 09:30:14 Lab Batch #: AAGV833-413 Date: 2025-06-30 09:30:14

Alixia Sun
Alixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony-Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (sw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, SK-4.036, SK-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, SK-4.036, SK-4.034. Client supplied the net weight of mg. The results apply to the sample as received.

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