



## Certificate of Analysis

R&D

**Client Information:**

**Zuma Chews**  
2200 Loyola ave  
Fort Collins, Colorado 80525

Batch # 1001  
Batch Date: 2025-02-12  
Extracted From: leaf

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

Order # JBR250213-010001  
Order Date: 2025-02-13  
Sample # AAGJ941  
Number of Units: 1  
Net Weight per Unit: 2700.000 mg  
Sampling Method: MSP 7.3.1

Sampling Date: 2025-02-19  
Lab Batch Date: 2025-02-19  
Orig. Completion Date: 2025-03-06

Serving Number: 1.00000

Initial Gross Weight: 8.076 g  
Net Weight: 2.700 g

**Statement of Amendment: Updated Net Weight**



**Kratom Tested**

**Kratom Alkaloids**

Specimen Weight: 1542.100 mg

**Tested**  
SOP 13.062 Kratom Alkaloids (LCMS)

Analyte	LOQ (%)	Result (mg/g)	(%)
Mitragynine	0.0146	4.9500	0.495
Paynantheine	0.0146	0.3202	0.03202
Speciogynine	0.0146	0.2046	0.02046
7-Hydroxy Mitragynine	0.0146	<LOQ	<LOQ
Corynoxine B	0.0146	<LOQ	<LOQ
Isorhynchophylline	0.0146	<LOQ	<LOQ
Mitraphylline	0.0146	<LOQ	<LOQ
Speciociliatine	0.0146	<LOQ	<LOQ

**Total Detectable Alkaloids**

<b>Total Kratom Alkaloids Per Package</b> 0.547%	<b>Total Kratom Alkaloids Per Serving</b> 14.769mg
---	---

Prep. By: 1260 Date: 2025-02-20 16:58:44 Analyzed By: 1263 Date: 2025-02-20 13:29:22  
Reviewed By: 1010 Date: 2025-02-27 16:12:31 Lab Batch #: AAGJ941-412 Date: 2025-02-27 16:12:31

Aixia 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), (aw) = Water Activity, (mg/Kg) = Milligram per Kilo-gram. 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, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. The results apply to the sample as received. Revised report- see statement of amendment above.

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.

