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**Report Number:** 24-002582/D001.R000  
**Report Date:** 03/13/2024  
**Purchase Order:**  
**Received:** 03/07/24 10:44 AM  
**Project Name:** Kratom Extract  
Product Testing

### Mitragynine

#### Kratom Quality & Safety Expanded

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Paynantheine	1.03	mg/mL	0.500	03/11/24	In house method by HPLC-DAD <sup>b</sup>	
Speciociliatine	1.45	mg/mL	0.500	03/11/24	In house method by HPLC-DAD <sup>b</sup>	
Speciogynine	0.555	mg/mL	0.500	03/11/24	In house method by HPLC-DAD <sup>b</sup>	
Total Alkaloids	1.09	%		03/13/24	In house method by HPLC-DAD <sup>b</sup>	

#### Abbreviations

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

#### Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.

#### Units of Measure

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/mL = Milligram per Milliliter

/5g = Per 5 grams

% = Percentage of sample

Approved Signatory

Derrick Tanner  
General Manager