

# **CERTIFICATE OF ANALYSIS**

STATUS: RELEASED REVISION: 00 DATE: 01/12/2022 

 Analysis ID No.
 215130

 TDA License No.
 2020002

 ISO/IEC No.
 1055838

 Purchase Order:
 20211139

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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Madewell Collective	TUSK; Platinum, Extract Capsules
Address:	Submitted Sample Lot:
1041 Crews Commerce Dr, STE 100; Orlando, Florida 32837	24644-002
Phone Number:	Submitted Sample Description:
407-455-1399	Extract Capsules in Retail Blister Pack; Stored at Room Temp
Contact Name / Email:	Submitted Sample Product Type / Matrix:
Paxton Shaw / paxton@madewellco.com	Kratom Powder Capsules / Extract

LABEL CLAIM					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	mg/g: Report Only mg/capsule: Report Only** Target: 178 mg/capsule	263.580 mg/g 169.746 mg/capsule	Results Reported
MItragynine	UHPLC-DAD	0.01 w/w%	% Label Claim: 90.0 to 110.0% Target: 100%	95.4%	PASS
Total Detectable Alkaloids	UHPLC-DAD	0.01 w/w%	mg/g: Report Only mg/capsule: Report Only**	379.452 mg/g 244.367 mg/capsule	Results Reported
**Capsule Powder Weight = 644 mg/each					

ALKALOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	26.358 w/w% 263.580 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	4.410 w/w% 44.103 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	3.244 w/w% 32.437 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	3.228 w/w% 32.277 mg/g	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % Total Alkaloids: NMT 2%	< 0.01 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.01 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.158 w/w% 1.578 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.548 w/w% 5.478 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	37.945 w/w% 379.452 mg/g	Results Reported



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MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS

	HEAVY METALS				
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	39.7 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	< LOQ	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	< LOQ	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	44.3 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	582.4 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION	
Santé Laboratories	Santé Sample ID: 215130	
8201 East Riverside Drive, STE 650	Receipt Date: 12/30/2021 / 02:32 PM CST / M Cardona	
Austin, Texas 78744 USA	Receipt Condition: Good Analysis Start Date: 01/05/2022	

#### **ADDITIONAL REPORT NOTES**

The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological specifications follow AHPA guidelines for botanical extracts. Insufficient material to test Salmonella in 25 grams. ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY			
Version	Version Effective Date Summary of Changes		
00	01/12/2022	Initial Release	

### **PRODUCT SAMPLE / IMAGE**



#### **REVIEWED AND APPROVED BY**

DocuSigned by: Brian Sloat

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12 January 2022 | 5:52:06 PM PST DD-MM-YY

Date

Brian Sloat, Ph.D.

Chief Scientific Officer / Quality Manager

Santé Laboratories

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA