

**CERTIFICATE OF ANALYSIS**STATUS: **RELEASED** REVISION: 00

DATE: 01/20/2022

Analysis ID No. 220121
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20220031
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Club 13	Submitted Sample Name: Kratom Leaf Powder
Address: 8165 SR 207 South, Hastings FL 32145	Submitted Sample Lot: YV011022.HG.1
Phone Number: 877-922-5783	Submitted Sample Description: Green Powder in Green Mylar Pouch; Stored at Room Temp
Contact Name / Email: Max Bachman Whitney / Max@Club13.com	Submitted Sample Product Type / Matrix: Kratom Powder / Plant Matter

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	1.311 w/w% 13.109 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.241 w/w% 2.408 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.183 w/w% 1.826 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.360 w/w% 3.598 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%	0.010 w/w% 0.103 mg/g 0.46% of Total	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	0.026 w/w% 0.257 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.106 w/w% 1.057 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.236 w/w% 22.358 mg/g	Results Reported

HEAVY METALS					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	539 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	29 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	31 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	238 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	1,762 ppb	PASS

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

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TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 220121 Receipt Date: 01/12/2022 / 10:10 AM CST / M Cardona Receipt Condition: Good Analysis Start Date: 01/13/2022

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 and Chromium specification according to oral drug products per USP <232>.** ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY

Version	Effective Date	Summary of Changes
00	01/20/2022	Initial Release

REVIEWED AND APPROVED BY

DocuSigned by: <i>Brian Sloat</i> 1DA7685D65C740B...	20 January 2022 6:16:59 PM PST Date	DD-MM-YY
Brian Sloat, Ph.D. Chief Scientific Officer / Quality Manager Santé Laboratories		

PRODUCT SAMPLE / IMAGE

