

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

DATE: 06/16/2022

Analysis ID No. 222618  
TDA License No. 2020002  
ISO/IEC No. 1055838  
Purchase Order: 20220732  
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Company Name:</b> Nava Leaf	<b>Submitted Sample Name:</b> Kratom Vanilla Cookie
<b>Address:</b> 1720 Carey Ave Cheyenne, WY 82001	<b>Submitted Sample Lot:</b> 0613VANKRAT
<b>Phone Number:</b> 954-778-3071	<b>Submitted Sample Description:</b> Vanilla Cookies in Sealed Plastic Bag; Stored at Rm Temp
<b>Contact Name / Email:</b> Steven Frantz / stevef@virag.bio	<b>Submitted Sample Product Type / Matrix:</b> Kratom Extract / Edible

LABEL CLAIM					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	mg/g: Report Only mg/unit: Report Only**	2.129 mg/g 18.043 mg/unit	Results Reported
Total Reported Alkaloids	UHPLC-DAD	0.01 w/w%	mg/g: Report Only mg/unit: Report Only**	2.844 mg/g 24.103 mg/unit	Results Reported

\*\*Average Cookie Unit Weight = 8.476 grams

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	0.213 w/w% 2.129 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.032 w/w% 0.315 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.017 w/w% 0.172 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.023 w/w% 0.228 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%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.284 w/w% 2.844 mg/g	Results Reported

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
<b>Santé Laboratories</b> 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	<b>Santé Sample ID:</b> 222618 <b>Receipt Date:</b> 06/15/2022 / 2:48 PM CST / P Steinberg <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 06/15/2022

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. ©2020 Santé Laboratories, LLC – All Rights Reserved

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STATUS: **RELEASED** REVISION: 00

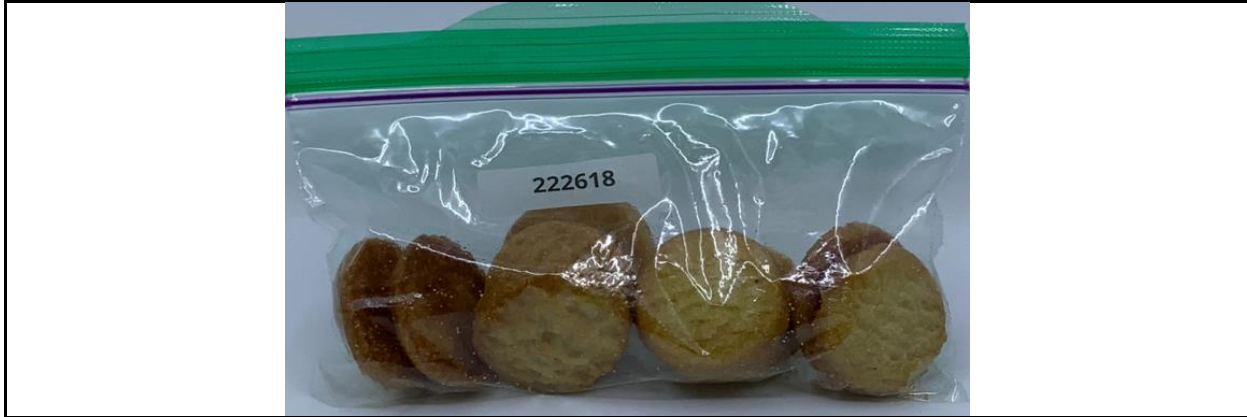
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## VERSION HISTORY

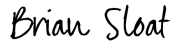
Version	Effective Date	Summary of Changes
00	06/16/2022	Initial Release

## PRODUCT SAMPLE / IMAGE



## REVIEWED AND APPROVED BY

DocuSigned by:



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16 June 2022 | 4:19:07 PM PDT

DD-MM-YY

**Brian Sloat, Ph.D.**  
 Chief Scientific Officer / Quality Manager  
 Santé Laboratories

Date