



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 06/13/2021

Analysis ID No. 21106034

TDA License No. 2020002

ISO/IEC No. 1055838

Customer No. N/A

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CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Company Name:</b> Top Treet Herbs	<b>Submitted Sample Name:</b> Red Bali, 14 Tea Bags, Net Wt. 1.48 oz
<b>Address:</b> 1502 North Winstel Boulevard, Tucson, Arizona 85716 USA	<b>Submitted Sample Lot:</b> TTH-031220B
<b>Phone Number:</b> N/A	<b>Submitted Sample Description:</b> Crushed Plant Material in Sealed Tea Bags; Stored at Room T
<b>Contact Name / Email:</b> N/A	<b>Submitted Sample Product Type / Matrix:</b> Kratom Leaves / Crushed

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 mg/unit: Report Only*	0.989 w/w% 9.888 mg/g 30.914 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.146 w/w% 1.465 mg/g 4.580 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.086 w/w% 0.857 mg/g 2.679 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only	0.372 w/w% 3.720 mg/g 11.631 mg/unit	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only* % Total Alkaloids: NMT 2%	< 0.01%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	< 0.01%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.124 w/w% 1.241 mg/g 3.878 mg/unit	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.207 w/w% 2.065 mg/g 6.456 mg/unit	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	1.924 w/w% 19.237 mg/g 60.139 mg/unit	Results Reported

\*Unit = 3.1263 grams, determined experimentally, N=5



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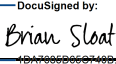
CONTENT UNIFORMITY ANALYSIS							
Unit Test	Test Method	USP Min Weight	Target	Specification	Test Results	% of Target	Pass /Fail
Tea Bag 1	Gravimetric	2.4 mg	3.00 g	90.0 to 110.0%	3.0673 g	102.2%	Results Reported
Tea Bag 2	Gravimetric	2.4 mg	3.00 g	90.0 to 110.0%	3.1357 g	104.5%	Results Reported
Tea Bag 3	Gravimetric	2.4 mg	3.00 g	90.0 to 110.0%	3.1447 g	104.8%	Results Reported
Tea Bag 4	Gravimetric	2.4 mg	3.00 g	90.0 to 110.0%	3.1370 g	104.6%	Results Reported
Tea Bag 5	Gravimetric	2.4 mg	3.00 g	90.0 to 110.0%	3.1470 g	104.9%	Results Reported
Average (N=5)	Calculated	2.4 mg	3.00 g	90.0 to 110.0%	3.1263 g	104.2%	PASS
Standard Deviation	Calculated	2.4 mg	--	--	0.0334 g	--	Results Reported
% RSD	Calculated	2.4 mg	--	--	1.1%	--	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> 21106034 <b>Receipt Date:</b> 05/24/2021 / S. ORTEGA / 2:50 PM CST <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 06/03/2021

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. ©2021 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	06/13/2021	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>DocuSigned by:              Brian Sloat, Ph.D.            Chief Scientific Officer / Quality Manager, Santé Laboratories</p> </div> <div style="width: 30%; text-align: center;"> <p>6/13/2021            Date</p> </div> <div style="width: 20%; text-align: right;"> <p>DD-MM-YY</p> </div> </div>