



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 03/31/2023

Analysis ID No. 230864
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230224
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Durity Distribution, LLC	Submitted Sample Name: Mit Therapy Hulu White 90 ct Caps
Address: 2623 S. Fry St Unit 154 & 152, Boise, ID 83709	Submitted Sample Lot: 03/15/23 Z1W0303
Phone Number: 208-971-5143	Submitted Sample Description: Encapsulated Powder in Retail Packaging; Stored at Rm Temp
Contact Name / Email: Evan Drake Fischer / drakefischer74@gmail.com	Submitted Sample Product Type / Matrix: Kratom Leaf 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 mg/unit: Report Only*	1.609 w/w% 16.089 mg/g 8.688 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.388 w/w% 3.877 mg/g 2.094 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.221 w/w% 2.215 mg/g 1.196 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.516 w/w% 5.163 mg/g 2.788 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* % of Total Alkaloids: NMT 2%	< 0.010 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.023 w/w% 0.231 mg/g 0.125 mg/unit	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	2.757 w/w% 27.575 mg/g 14.890 mg/unit	Results Reported

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000,000 CFU/gm	129,500 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	5,503 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	6,950 CFU/gm	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 25 gm	Absent	PASS

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
 Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com

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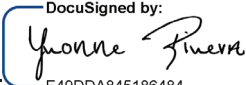
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	332.6 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	13.8 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	110.8 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	22.5 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	1,939.7 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230864 Receipt Date: 03/24/2023 / 10:10 AM CST / M. Husain Receipt Condition: Good Analysis Start Date: 03/27/2023

ADDITIONAL REPORT NOTES
<p>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 ingredients (non-extract). * Unit Weight: 0.540 grams, this is based on the average of five (5) unit weights.</p> <p>©2020 Santé Laboratories, LLC – All Rights Reserved</p>

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	03/31/2023	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY	
DocuSigned by:  E49DDA845186484... Yvonne Rivera Data Management Specialist Santé Laboratories	31 March 2023 1:51:46 PM PDT _____ Date