



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 03/31/2023

Analysis ID No. 230863
 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 Green Dragon 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*	1.888 w/w% 18.880 mg/g 9.799 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.528 w/w% 5.280 mg/g 2.741 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.286 w/w% 2.857 mg/g 1.483 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.477 w/w% 4.767 mg/g 2.474 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*	0.025 w/w% 0.254 mg/g 0.132 mg/unit	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	3.204 w/w% 32.039 mg/g 16.628 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	127,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	3,810 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	5,600 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
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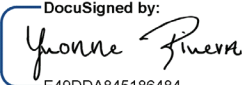
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	440.9 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	16.1 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	161.3 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	20.7 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	1,756.8 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230863 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: 0.519 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	
<p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>31 March 2023 1:51:46 PM PDT</p> <p>_____ Date</p>



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 03/31/2023

Analysis ID No. 230867
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 Green Hulk 90 ct Caps
Address: 2623 S. Fry St Unit 154 & 152, Boise, ID 83709	Submitted Sample Lot: 03/15/23 Z2BS0303/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*	1.979 w/w% 19.791 mg/g 10.588 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.523 w/w% 5.231 mg/g 2.798 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.294 w/w% 2.941 mg/g 1.573 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.579 w/w% 5.793 mg/g 3.099 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% 0.234 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*	3.399 w/w% 33.990 mg/g 18.185 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	5,085 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	230 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	1,245 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

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Purchase Order: 20230224
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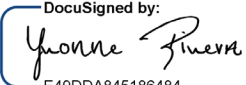
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	757.3 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	15.0 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	280.4 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	18.3 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	2,267.3 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230867 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: 0.535 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	
<p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>31 March 2023 1:51:46 PM PDT</p> <p>_____</p> <p>Date</p>



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

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Purchase Order: 20230224
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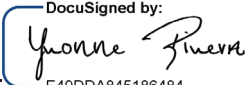
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	332.6 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	13.8 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	110.8 ppb	PASS
Cadmium	USP <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
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VERSION HISTORY		
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00	03/31/2023	Initial Release

PRODUCT SAMPLE / IMAGE


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Analysis ID No. 230866
 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 Mixed Maneg Da 90 ct Caps
Address: 2623 S. Fry St Unit 154 & 152, Boise, ID 83709	Submitted Sample Lot: 03/15/23 Z1W0303/Z3BS0303
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*	1.889 w/w% 18.888 mg/g 9.954 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.514 w/w% 5.137 mg/g 2.707 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.280 w/w% 2.797 mg/g 1.474 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.480 w/w% 4.799 mg/g 2.529 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*	0.021 w/w% 0.214 mg/g 0.113 mg/unit	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	3.183 w/w% 31.835 mg/g 16.777 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	7,500 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	350 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	1,150 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

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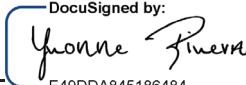
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	627.8 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	17.3 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	306.6 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	16.8 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	2,230.1 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230866 Receipt Date: 03/24/2023 / 10:10 AM CST / M. Husain Receipt Condition: Good Analysis Start Date: 03/27/2023

ADDITIONAL REPORT NOTES
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 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 Mixed Malay 90 ct Caps
Address:	2623 S. Fry St Unit 154 & 152, Boise, ID 83709	Submitted Sample Lot:	03/15/23 Z1WM0303
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*	1.769 w/w% 17.694 mg/g 9.608 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.472 w/w% 4.724 mg/g 2.565 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.249 w/w% 2.485 mg/g 1.349 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.420 w/w% 4.205 mg/g 2.283 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*	0.032 w/w% 0.323 mg/g 0.175 mg/unit	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	2.943 w/w% 29.431 mg/g 15.981 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	194,500 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	8,000 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	5,600 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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CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00
DATE: 03/31/2023

Analysis ID No. 230868
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20230224
Page No. Page 2 of 2

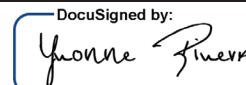
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	407.3 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	15.8 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	120.4 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	28.2 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	2,086.6 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230868 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: 0.543 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	
<p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>31 March 2023 1:51:46 PM PDT</p> <p>_____</p> <p>Date</p>



CERTIFICATE OF ANALYSIS

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DATE: 03/31/2023

Analysis ID No. 230865
 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 Red Bali 90 ct Caps
Address: 2623 S. Fry St Unit 154 & 152, Boise, ID 83709	Submitted Sample Lot: 03/15/23 Z3BS0303
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*	1.903 w/w% 19.028 mg/g 10.066 mg/unit	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.487 w/w% 4.867 mg/g 2.574 mg/unit	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.274 w/w% 2.739 mg/g 1.449 mg/unit	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	0.510 w/w% 5.097 mg/g 2.696 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*	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/unit: Report Only*	3.173 w/w% 31.731 mg/g 16.786 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	2,955 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	620 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	320 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

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Page No. Page 2 of 2

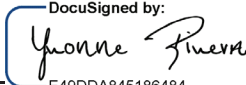
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	675.4 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	16.1 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	259.2 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	18.6 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	2,126.9 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230865 Receipt Date: 03/24/2023 / 10:10 AM CST / M. Husain Receipt Condition: Good Analysis Start Date: 03/27/2023

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

PRODUCT SAMPLE / IMAGE


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