Certificate of Analysis



TestMyKratom.org

Customer Information

TestMyKratom.org **Client:**

test.my.kratom@gmail.com **Attention:**

18117 Biscayne Blvd, Suite #4220 **Address:**

Miami, FL 33160

Testing Facility

Cora Science, LLC

8000 Anderson Square, STE 113
Austin Toyot 707 Address

Austin, Texas 78757

Contact: info@corascience.com

(512) 856-5007

Sample Image(s)

Kratom.org



Sample Information

Stardust x-OHx-OH tablet Name:

2024-09 **Lot Number:**

Pressed Tablet Description:

Condition: Good Job ID: ISO02489 **Sample ID:** 106042 **Received:** 09SEP2024 **Completed:** 13SEP2024 **Issued:** 17SEP2024

Test Results ratom.org

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** Tested: 13SEP2024 | 2122

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	<loq< td=""><td>mg/unit</td><td>0.08</td><td>N/A</td></loq<>	mg/unit	0.08	N/A
7-Hydroxymitragynine	Report Results	16.3	mg/unit	0.02	N/A
Paynantheine	Report Results	<loq< td=""><td>mg/unit</td><td>0.08</td><td>N/A</td></loq<>	mg/unit	0.08	N/A
Speciogynine	Report Results	<loq< td=""><td>mg/unit</td><td>0.08</td><td>N/A</td></loq<>	mg/unit	0.08	N/A
Speciociliatine	Report Results	<loq< td=""><td>mg/unit</td><td>0.08</td><td>N/A</td></loq<>	mg/unit	0.08	N/A
Total Mitragyna Alkaloids	Report Results	16.3	mg/unit	0.08	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** Tested: 13SEP2024 | 2122

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	<loq< td=""><td>w/w%</td><td>0.010</td><td>N/A</td></loq<>	w/w%	0.010	N/A
7-Hydroxymitragynine	Report Results	2.17 011	w/w%	0.003	N/AOM.OTS
Paynantheine	Report Results	<loq< td=""><td>w/w%</td><td>0.010</td><td>N/A</td></loq<>	w/w%	0.010	N/A
Speciogynine	Report Results	<loq< td=""><td>w/w%</td><td>0.010</td><td>N/A</td></loq<>	w/w%	0.010	N/A
Speciociliatine	Report Results	<loq< td=""><td>w/w%</td><td>0.010</td><td>N/A</td></loq<>	w/w%	0.010	N/A
Total Mitragyna Alkaloids	Report Results	2.17	w/w%	0.010	N/A

Residual Solvents: Class I (GC-MS) **Method Code: T201** Tested: 12SEP2024 | 0334

PARAMETER	SPECIFICATION	RESULT	UNIT	LOOTS	NOTES
1,1-Dichloroethene	NMT 8	<loq< td=""><td>ug/g</td><td>0.4</td><td>PASS</td></loq<>	ug/g	0.4	PASS
1,1,1-Trichloroethane	NMT 1500	<loq< td=""><td>ug/g</td><td>75</td><td>PASS</td></loq<>	ug/g	75	PASS
Tetrachloromethane	NMT 4	<loq< td=""><td>ug/g</td><td>0.2</td><td>PASS</td></loq<>	ug/g	0.2	PASS
Benzene	NMT 2	<loq< td=""><td>ug/g</td><td>0.1</td><td>PASS</td></loq<>	ug/g	0.1	PASS
1,2-Dichloroethane	NMT 5	<loq< td=""><td>ug/g</td><td>0.25</td><td>PASS</td></loq<>	ug/g	0.25	PASS

Residual Solvents: Class II (GC-MS) Method Code: T201 Tested: 12SEP2024 | 0334

ccteonitrile NMT 410 < LOQ	PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
NMT 600	Methanol	NMT 3000	<loq< td=""><td>ug/g</td><td>94</td><td>PASS</td></loq<>	ug/g	94	PASS
,2-Dichloroethene, (E) NMT 1870 < LOQ ug/g 93.5 PASS ,2-Dichloroethene, (Z) NMT 1870 < LOQ	Acetonitrile	NMT 410	<loq< td=""><td>ug/g</td><td>20.5</td><td>PASS</td></loq<>	ug/g	20.5	PASS
,2-Dichloroethene, (E) NMT 1870 < LOQ ug/g 93.5 PASS ,2-Dichloroethene, (Z) NMT 1870 < LOQ	Dichloromethane	NMT 600	<loq< td=""><td>ug/g</td><td>30</td><td>PASS</td></loq<>	ug/g	30	PASS
etrahydrofuran NMT 720 < LOQ ug/g 36 PASS cyclohexane NMT 3880 < LOQ	1,2-Dichloroethene, (E)		<loq< td=""><td>ug/g</td><td>93.5 st</td><td>PASS</td></loq<>	ug/g	93.5 st	PASS
NMT 3880	1,2-Dichloroethene, (Z)	NMT 1870	<loq< td=""><td>ug/g</td><td>93.5</td><td>PASS</td></loq<>	ug/g	93.5	PASS
NMT 1180	Tetrahydrofuran	NMT 720	<loq< td=""><td>ug/g</td><td>36</td><td>PASS</td></loq<>	ug/g	36	PASS
A-Dioxane NMT 380 <loq< th=""> ug/g 19 PASS bluene NMT 890 <loq< td=""> ug/g 44.5 PASS chlorobenzene NMT 360 <loq< td=""> ug/g 18 PASS chlorobenzene NMT 2170 <loq< td=""> ug/g 108.5 PASS chly-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS ch-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS copropylbenzene NMT 70 <loq< td=""> ug/g 3.5 PASS dexane NMT 290 <loq< td=""> ug/g 14.5 PASS chloroform NMT 50 <loq< td=""> ug/g 2.5 PASS chloroform NMT 60 <loq< td=""> ug/g 5 PASS chloroethene NMT 80 <loq< td=""> ug/g 4 PASS chloroethene NMT 200 <loq< td=""> ug/g 10 PASS chloroethene NMT 50 <loq< td=""> ug/g 2.5</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Cyclohexane	NMT 3880	<loq< td=""><td>ug/g</td><td>194</td><td>PASS</td></loq<>	ug/g	194	PASS
NMT 890	Methylcyclohexane	NMT 1180	<loq< td=""><td>ug/g</td><td>59</td><td>PASS</td></loq<>	ug/g	59	PASS
Inhlorobenzene NMT 360 <loq< th=""> ug/g 18 PASS thylbenzene NMT 2170 <loq< td=""> ug/g 108.5 PASS /p-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS n-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS sopropylbenzene NMT 70 <loq< td=""> ug/g 3.5 PASS sexane NMT 290 <loq< td=""> ug/g 14.5 PASS litromethane NMT 50 <loq< td=""> ug/g 3 PASS chloroform NMT 60 <loq< td=""> ug/g 3 PASS richloroethene NMT 100 <loq< td=""> ug/g 4 PASS richloroethene NMT 80 <loq< td=""> ug/g 10 PASS -Hexanone NMT 50 <loq< td=""> ug/g 2.5 PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	1,4-Dioxane	NMT 380	<loq< td=""><td>ug/g</td><td>19</td><td>PASS</td></loq<>	ug/g	19	PASS
thylbenzene NMT 2170 <loq< th=""> ug/g 108.5 PASS /p-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS n-Xylene NMT 2170 <loq< td=""> ug/g 108.5 PASS sopropylbenzene NMT 70 <loq< td=""> ug/g 3.5 PASS lexane NMT 290 <loq< td=""> ug/g 14.5 PASS litromethane NMT 50 <loq< td=""> ug/g 2.5 PASS chloroform NMT 60 <loq< td=""> ug/g 3 PASS .2-Dimethoxyethane NMT 100 <loq< td=""> ug/g 5 PASS richloroethene NMT 80 <loq< td=""> ug/g 4 PASS yridine NMT 200 <loq< td=""> ug/g 10 PASS -Hexanone NMT 50 <loq< td=""> ug/g 2.5 PASS</loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<></loq<>	Toluene	NMT 890	<loq< td=""><td>ug/g</td><td>44.5</td><td>PASS</td></loq<>	ug/g	44.5	PASS
/p-Xylene NMT 2170 < LOQ ug/g 108.5 PASS n-Xylene NMT 2170 < LOQ	Chlorobenzene	NMT 360	<loq< td=""><td>ug/g</td><td>18</td><td>PASS</td></loq<>	ug/g	18	PASS
n-Xylene NMT 2170 < LOQ ug/g 108.5 PASS sopropylbenzene NMT 70 < LOQ	Ethylbenzene	NMT 2170	<loq< td=""><td>ug/g</td><td>108.5</td><td>PASS</td></loq<>	ug/g	108.5	PASS
sopropylbenzene NMT 70 <loq 14.5="" 2.5="" 290="" 3="" 3.5="" 50="" 60="" <loq="" co<="" control="" g="" lexane="" litromethane="" location="" nmt="" of="" pass="" td="" the="" ug=""><td>o/p-Xylene TeS</td><td>NMT 2170</td><td><loq< td=""><td>TeSug/g</td><td>108.5</td><td>PASS</td></loq<></td></loq>	o/p-Xylene TeS	NMT 2170	<loq< td=""><td>TeSug/g</td><td>108.5</td><td>PASS</td></loq<>	TeSug/g	108.5	PASS
lexane NMT 290 <loq 10="" 100="" 14.5="" 2-dimethoxyethane="" 2.5="" 200="" 3="" 4="" 5="" 50="" 60="" 80="" <loq="" g="" litromethane="" nmt="" pass="" pass,="" pass<="" passhexanone="" richloroethene="" td="" ug="" yridine=""><td>m-Xylene</td><td>NMT 2170</td><td><loq< td=""><td>ug/g</td><td>108.5</td><td></td></loq<></td></loq>	m-Xylene	NMT 2170	<loq< td=""><td>ug/g</td><td>108.5</td><td></td></loq<>	ug/g	108.5	
litromethane NMT 50 <loq -hexanone="" 10="" 100="" 2.5="" 200="" 3="" 5="" 50="" 60="" <loq="" g="" hloroform="" nmt="" pass="" pass<="" td="" ug="" y-2-dimethoxyethane="" yridine=""><td>Isopropylbenzene</td><td>NMT 70</td><td><loq< td=""><td>ug/g</td><td>3.5</td><td>PASS</td></loq<></td></loq>	Isopropylbenzene	NMT 70	<loq< td=""><td>ug/g</td><td>3.5</td><td>PASS</td></loq<>	ug/g	3.5	PASS
Chloroform NMT 60 <loq -hexanone="" 10="" 100="" 2.5="" 200="" 3="" 4="" 5="" 50="" 7="" 7,2-dimethoxyethane="" 80="" <loq="" g="" nmt="" pass="" pass<="" richloroethene="" td="" ug="" yridine=""><td>Hexane</td><td>NMT 290</td><td><loq< td=""><td>ug/g</td><td>14.5</td><td>PASS</td></loq<></td></loq>	Hexane	NMT 290	<loq< td=""><td>ug/g</td><td>14.5</td><td>PASS</td></loq<>	ug/g	14.5	PASS
,2-Dimethoxyethane NMT 100 <loq -hexanone="" 10="" 2.5="" 200="" 4="" 5="" 50="" 80="" <loq="" g="" nmt="" pass="" pass<="" richloroethene="" td="" ug="" yridine=""><td>Nitromethane</td><td>NMT 50</td><td><loq< td=""><td>ug/g</td><td>2.5</td><td>PASS</td></loq<></td></loq>	Nitromethane	NMT 50	<loq< td=""><td>ug/g</td><td>2.5</td><td>PASS</td></loq<>	ug/g	2.5	PASS
richloroethene NMT 80 <loq -hexanone="" 10="" 2.5="" 200="" 4="" 50="" <loq="" g="" nmt="" pass="" pass<="" td="" ug="" yridine=""><td>Chloroform</td><td>NMT 60</td><td><loq< td=""><td>ug/g</td><td>3</td><td>PASS</td></loq<></td></loq>	Chloroform	NMT 60	<loq< td=""><td>ug/g</td><td>3</td><td>PASS</td></loq<>	ug/g	3	PASS
yridine NMT 200 <loq -hexanone="" 10="" 2.5="" 50="" <loq="" g="" nmt="" pass="" pass<="" td="" ug=""><td>1,2-Dimethoxyethane</td><td>NMT 100</td><td><loq< td=""><td>ug/g</td><td>5</td><td>PASS</td></loq<></td></loq>	1,2-Dimethoxyethane	NMT 100	<loq< td=""><td>ug/g</td><td>5</td><td>PASS</td></loq<>	ug/g	5	PASS
yridine NMT 200 <loq -hexanone="" 10="" 100="" 2.5="" 5="" 50="" <loq="" etralin="" g="" nmt="" pass="" pass<="" td="" ug=""><td>Trichloroethene</td><td>NMT 80</td><td></td><td></td><td>4</td><td>_ /</td></loq>	Trichloroethene	NMT 80			4	_ /
-Hexanone NMT 50 <loq 100="" 2.5="" 5="" <loq="" etralin="" g="" nmt="" pass="" pass<="" td="" ug=""><td>Pyridine</td><td>NMT 200</td><td><loq< td=""><td>ug/g</td><td>10</td><td>PASS</td></loq<></td></loq>	Pyridine	NMT 200	<loq< td=""><td>ug/g</td><td>10</td><td>PASS</td></loq<>	ug/g	10	PASS
etralin NMT 100 <loq 5="" g="" pass<="" td="" ug=""><td>2-Hexanone</td><td>NMT 50 Tes</td><td><loq< td=""><td>ug/g</td><td>2.5 rest</td><td>PASS</td></loq<></td></loq>	2-Hexanone	NMT 50 Tes	<loq< td=""><td>ug/g</td><td>2.5 rest</td><td>PASS</td></loq<>	ug/g	2.5 rest	PASS
	Tetralin	NMT 100	<loq< td=""><td>ug/g</td><td>5</td><td>PASS</td></loq<>	ug/g	5	PASS

Residual Solvents: Class III (GC-MS) Method Code: T201 Tested: 12SEP2024 | 0334

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Pentane	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Ethanol	NMT 5000	<loq< td=""><td>ug/g</td><td>ator250rg</td><td>PASS</td><td></td></loq<>	ug/g	ator250rg	PASS	
Diethyl Ether	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td>To</td></loq<>	ug/g	250	PASS	To
Acetone	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td>Te</td></loq<>	ug/g	250	PASS	Te
Ethyl Formate	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Isopropanol	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Methyl Acetate	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Methyl tert-Butyl Ether	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
1-Propanol	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
2-Butanone	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Ethyl Acetate 2-Butanol 2 Methyl 1 Proposel	NMT 5000	<loq< td=""><td>m.org ug/g</td><td>250</td><td>PASS</td><td>N.01</td></loq<>	m.org ug/g	250	PASS	N.01
2-Butanol	NMT 5000	<loq< td=""><td>ug/g</td><td>250 st</td><td>PASS</td><td></td></loq<>	ug/g	250 st	PASS	
2-Methyl-1-Propanol	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Isopropyl Acetate	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Heptane	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
1-Butanol	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Propyl Acetate	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
4-Methyl-2-Pentanone	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Isoamyl Alcohol	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Isobutyl Acetate	NMT 5000	<loq< td=""><td>ug/g</td><td>ator250rg</td><td>PASS</td><td></td></loq<>	ug/g	ator250rg	PASS	
1-Pentanol	NMT 5000	<loq< td=""><td>ug/g/</td><td>250</td><td>PASS</td><td>Te</td></loq<>	ug/g/	250	PASS	Te
Butyl Acetate	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td>10</td></loq<>	ug/g	250	PASS	10
Dimethylsulfoxide	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	
Anisole	NMT 5000	<loq< td=""><td>ug/g</td><td>250</td><td>PASS</td><td></td></loq<>	ug/g	250	PASS	

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Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.751 grams.

Revision History

rev 00 - Initial release.

Abbreviations

ID: identification, N/A: not applicable, LOQ: limit of quantitation, CFU: colony forming units, w/w%: weight by weight percent, mg: milligrams, g: grams, ug: micrograms, mL: milliliters, ND: not detected, <LOQ: below limit of quantitation, NMT: no more than, NLT: no less than, UHPLC: ultra-high performance liquid chromatography, GC: gas chromatography, DAD: diode array detection/detector, MS: mass spectroscopy/spectrometer, ICP: inductively coupled plasma, ISO: International Organization for Standardization, **USP:** United States Pharmacopeia

Authorization

This report has been authorized for release from Cora Science by:

John West Signature:

Tyler West Name:

Test Position:

Laboratory Director

Department: Management Date: 17SEP2024

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