



Certificate of Analysis

Customer Information

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 San Francisco, CA 94109

Testing Facility

Lab: Cora Science, LLC
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 Austin, Texas 78757
Contact: info@corascience.com
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Sample Image(s)



Sample Information

Name: TMK 15mg Sour Watermelon Dollar Tabs
Lot Number: 2026-03
Description: Pressed tablet
Condition: Good
Job ID: ISO06525
Sample ID: I18213
Received: 11MAR2026
Completed: 17MAR2026
Issued: 17MAR2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 16MAR2026 | 0403

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.28	mg/unit	0.028	N/A
7-Hydroxymitragynine	Report Results	13.7	mg/unit	0.0037	N/A
Mitragynine Pseudoindoxyl	Report Results	0.443	mg/unit	0.028	N/A
Mitraciliatine	Report Results	<LOQ	mg/unit	0.028	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.028	N/A
Speciogynine	Report Results	0.203	mg/unit	0.028	N/A
Paynantheine	Report Results	0.360	mg/unit	0.028	N/A
Coryantheidine	Report Results	0.0980	mg/unit	0.028	N/A
Corynoxine	Report Results	0.0338	mg/unit	0.028	N/A
Isorhynchophylline	Report Results	<LOQ	mg/unit	0.028	N/A
Mitraphylline	Report Results	<LOQ	mg/unit	0.028	N/A
Total Mitragyna Alkaloids	Report Results	16.1	mg/unit	0.028	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 16MAR2026 | 0403

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.252	w/w%	0.0054	N/A
7-Hydroxymitragynine	Report Results	2.70	w/w%	0.00072	N/A
Mitragynine Pseudoindoxyl	Report Results	0.0872	w/w%	0.0054	N/A
Mitraciliatine	Report Results	<LOQ	w/w%	0.0054	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.0054	N/A
Speciogynine	Report Results	0.0400	w/w%	0.0054	N/A
Paynantheine	Report Results	0.0708	w/w%	0.0054	N/A
Coryantheidine	Report Results	0.0193	w/w%	0.0054	N/A

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Corynoxine	Report Results	0.00666	w/w%	0.0054	N/A
Isorhynchophylline	Report Results	<LOQ	w/w%	0.0054	N/A
Mitraphylline	Report Results	<LOQ	w/w%	0.0054	N/A
Total Mitragyna Alkaloids	Report Results	3.17	w/w%	0.0054	N/A

Assay (w/w%) [UHPLC-DAD]

Method Code: T100

Tested: 15MAR2026 | 2307

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Dihydro-7-hydroxymitragynine	Report Results	<LOQ	w/w%	0.0056	N/A

Assay (w/w%) [UHPLC-DAD]

Method Code: T100

Tested: 15MAR2026 | 2307

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Dihydro-7-hydroxymitragynine	Report Results	<LOQ	mg/unit	0.029	N/A

Residual Solvents: Class I (GC-MS)

Method Code: T201

Tested: 17MAR2026 | 0405

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	NMT 8	<LOQ	ug/g	0.40	PASS
1,1,1-Trichloroethane	NMT 1500	<LOQ	ug/g	75	PASS
Tetrachloromethane	NMT 4	<LOQ	ug/g	0.20	PASS
Benzene	NMT 2	<LOQ	ug/g	0.10	PASS
1,2-Dichloroethane	NMT 5	<LOQ	ug/g	0.25	PASS

Residual Solvents: Class II (GC-MS)

Method Code: T201

Tested: 17MAR2026 | 0405

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Methanol	NMT 3000	86.5	ug/g	75	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	41	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	15	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	46.75	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	46.75	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	18	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	97	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	29.5	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	38	PASS
Toluene	NMT 890	<LOQ	ug/g	22.25	PASS
Chlorobenzene	NMT 360	<LOQ	ug/g	9	PASS
Ethylbenzene	NMT 2170	<LOQ	ug/g	54.25	PASS
o/p-Xylene	NMT 2170	<LOQ	ug/g	54.25	PASS
m-Xylene	NMT 2170	<LOQ	ug/g	54.25	PASS
Isopropylbenzene	NMT 70	<LOQ	ug/g	1.75	PASS
Hexane	NMT 290	<LOQ	ug/g	7.25	PASS
Nitromethane	NMT 50	<LOQ	ug/g	1.25	PASS
Chloroform	NMT 60	<LOQ	ug/g	1.5	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	2.5	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	2	PASS
Pyridine	NMT 200	<LOQ	ug/g	5	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	5	PASS

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Tetralin	NMT 100	<LOQ	ug/g	2.5	PASS
Total Xylenes	NMT 2170	<LOQ	ug/g	54	PASS

Residual Solvents: Class III (GC-MS)

Method Code: T201

Tested: 17MAR2026 | 0405

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	125	PASS
Ethanol	NMT 5000	<LOQ	ug/g	125	PASS
Diethyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
Acetone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Formate	NMT 5000	<LOQ	ug/g	125	PASS
Isopropanol	NMT 5000	<LOQ	ug/g	125	PASS
Methyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Methyl tert-Butyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS
2-Butanone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
2-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
2-Methyl-1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS
Isopropyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Heptane	NMT 5000	<LOQ	ug/g	125	PASS
1-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
Propyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
4-Methyl-2-Pentanone	NMT 5000	<LOQ	ug/g	125	PASS
Isoamyl Alcohol	NMT 5000	<LOQ	ug/g	125	PASS
Isobutyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
1-Pentanol	NMT 5000	<LOQ	ug/g	125	PASS
Butyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Anisole	NMT 5000	<LOQ	ug/g	125	PASS
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	125	PASS

Additional Report Notes

T102E result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.508 grams.

Revision History

Report ID: f275c520-0f5e-4516-8847-f34049bd9dc5
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

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Authorization

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

Signature: *Tyler West*
Name: Tyler West

Position: Laboratory Director
Department: Management
Date: 17MAR2026