



Certificate of Analysis

Customer Information

Client: Kats Botanicals
Attention: mike@katsbotanicals.com
Address: 209 Industrial Drive, Bldg. B
Franklin, KY 42134

Testing Facility

Lab: Cora Science, LLC
Address 8000 Anderson Square, STE 113
Austin, Texas 78757
Contact: info@corascience.com
(512) 856-5007

Sample Image(s)



Sample Information

Name: KBE-SFG12-45
Lot Number: 070128
Description: Softgel capsule
Condition: Good
Job ID: ISO07670
Sample ID: I21506
Received: 17JUL2026
Completed: 22JUL2026
Report Date: 22JUL2026

Test Results

Microbial Examination		Method Code: T005		Tested: 20JUL2026 0818		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Total Aerobic Plate Count	NMT 10,000 CFU/g	30	CFU/g	10 CFU/g	PASS	
Total Yeast and Mold	NMT 1,000 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS	
Total Coliforms	NMT 100 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS	
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS	
Salmonella spp.	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS	

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 21JUL2026 0655		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Mitragynine	Report Results	25.9	mg/unit	0.0076	N/A	
7-Hydroxymitragynine	Report Results	0.0853	mg/unit	0.0010	N/A	
Mitragynine Pseudoindoxyl	Report Results	<LOQ	mg/unit	0.0076	N/A	
Mitraciliatine	Report Results	0.157	mg/unit	0.0076	N/A	
Speciociliatine	Report Results	1.97	mg/unit	0.0076	N/A	
Speciogynine	Report Results	2.30	mg/unit	0.0076	N/A	
Paynantheine	Report Results	3.06	mg/unit	0.0076	N/A	
Coryantheidine	Report Results	0.356	mg/unit	0.0076	N/A	
Corynoxine	Report Results	0.0330	mg/unit	0.0076	N/A	
Isorhynchophylline	Report Results	<LOQ	mg/unit	0.0076	N/A	
Mitraphylline	Report Results	<LOQ	mg/unit	0.0076	N/A	
Total Mitragyna Alkaloids	Report Results	33.9	mg/unit	0.0076	N/A	

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 21JUL2026 0655		
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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	4.83	w/w%	0.0014	N/A
7-Hydroxymitragynine	Report Results	0.0159	w/w%	0.00019	N/A
Mitragynine Pseudoindoxyl	Report Results	<LOQ	w/w%	0.0014	N/A
Mitraciliatine	Report Results	0.0292	w/w%	0.0014	N/A
Speciociliatine	Report Results	0.366	w/w%	0.0014	N/A
Speciogynine	Report Results	0.429	w/w%	0.0014	N/A
Paynantheine	Report Results	0.570	w/w%	0.0014	N/A
Coryantheidine	Report Results	0.0662	w/w%	0.0014	N/A
Corynoxine	Report Results	0.00614	w/w%	0.0014	N/A
Isorhynchophylline	Report Results	<LOQ	w/w%	0.0014	N/A
Mitraphylline	Report Results	<LOQ	w/w%	0.0014	N/A
Total Mitragyna Alkaloids	Report Results	6.31	w/w%	0.0014	N/A

Residual Solvents: Class I (GC-MS)		Method Code: T201		Tested: 18JUL2026 0611		
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: 18JUL2026 0611		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Methanol	NMT 3000	<LOQ	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: 18JUL2026 | 0611

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

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 20JUL2026 | 1655

PARAMETER		SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic		NMT 1.50	<LOQ	ug/g	0.006	PASS
Cadmium		NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury		NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead		NMT 0.50	0.051	ug/g	0.002	PASS

Loss on Drying

Method Code: T505

Tested: 22JUL2026 | 1053

PARAMETER		SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Loss on Drying		Report Results	1.63	%	0.1	N/A

7-Hydroxymitragynine Limit (0.04%)

Method Code: 813

Tested: 22JUL2026 | 1053

PARAMETER		SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine		NMT 400 PPM	162	ppm	2	PASS

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Unit Weight	Report Results	0.537	grams	0.05	N/A

Additional Report Notes

T813 results are reported on a dry-weight basis (DWB). Reported values converted from T102 results using the laboratory-measured loss on drying by T505 for each sample:
DWB w/w% = (as-received w/w%) ÷ (1 – moisture%/100).

Revision History

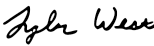
Report ID: f35419f5-6c02-5804-98c5-3e75e681d9b5
rev 00 - Initial release.

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:

Signature:		Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	22JUL2026