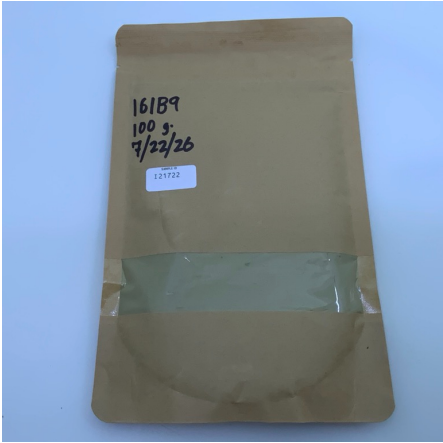




Certificate of Analysis

Customer Information		Testing Facility	
Client:	Sunstone Organics	Lab:	Cora Science, LLC
Attention:	secure@sunstoneorganics.com	Address	8000 Anderson Square, STE 113
Address:	4061 Main St., Suite D		Austin, Texas 78757
	Springfield, OR 97478	Contact:	info@corascience.com
			(512) 856-5007

Sample Image(s)	Sample Information
	Name: 161 B9 Lot Number: 161 B9 Description: Finely ground plant material Condition: Good Job ID: ISO07731 Sample ID: I21722 Received: 28JUL2026 Completed: 30JUL2026 Report Date: 03AUG2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 29JUL2026 1227	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.54	w/w%	0.0055	N/A
7-Hydroxymitragynine	Report Results	0.00134	w/w%	0.00074	N/A
Paynantheine	Report Results	0.292	w/w%	0.0055	N/A
Speciogynine	Report Results	0.226	w/w%	0.0055	N/A
Speciociliatine	Report Results	0.379	w/w%	0.0055	N/A
Total Mitragyna Alkaloids	Report Results	2.44	w/w%	0.0055	N/A

Elemental Impurities (ICP-MS)		Method Code: T301		Tested: 29JUL2026 1603	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.144	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.020	ug/g	0.002	PASS
Mercury	NMT 0.20	0.016	ug/g	0.002	PASS
Lead	NMT 5.00	0.489	ug/g	0.002	PASS

Microbial Examination		Method Code: T005		Tested: 30JUL2026 1250	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	125	CFU/g	10 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	160	CFU/g	10 CFU/g	PASS
Total Coliforms	NMT 10,000 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

Residual Solvents: Class I (GC-MS)		Method Code: T201		Tested: 30JUL2026 0845	
------------------------------------	--	-------------------	--	--------------------------	--

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: 30JUL2026 0845		
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	
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: 30JUL2026 0845		
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	

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
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

Pesticides (GC-MS/MS)		Method Code: T401		Tested: 29JUL2026 0258		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Acephate	Report Results	ND	mg/Kg	0.01	N/A	
Azinphos-ethyl	Report Results	ND	mg/Kg	0.01	N/A	
Azinphos-methyl	Report Results	ND	mg/Kg	0.01	N/A	
Bromophos-ethyl	Report Results	ND	mg/Kg	0.01	N/A	
Bromophos-methyl	Report Results	ND	mg/Kg	0.01	N/A	
Chlorfenvinphos	Report Results	ND	mg/Kg	0.01	N/A	
Deltamethrin	Report Results	ND	mg/Kg	0.01	N/A	
Diazinon	Report Results	ND	mg/Kg	0.01	N/A	
Dichlofluanid	Report Results	ND	mg/Kg	0.01	N/A	
Dichlorvos	Report Results	ND	mg/Kg	0.02	N/A	
Dimethoate (and Omethoate, sum)	Report Results	ND	mg/Kg	0.01	N/A	
Omethaote	Report Results	ND	mg/Kg	0.01	N/A	
Dithiocarbamates (sum, as CS2)	Report Results	ND	mg/Kg	0.10	N/A	
Dithiocarbamate, manganese	Report Results	ND	mg/Kg	0.05	N/A	
Dithiocarbamate, zinc	Report Results	ND	mg/Kg	0.05	N/A	
Ethion	Report Results	ND	mg/Kg	0.01	N/A	
Etrimphos	Report Results	ND	mg/Kg	0.01	N/A	
Fenchlorphos	Report Results	ND	mg/Kg	0.02	N/A	
Fenchlorphos oxon	Report Results	ND	mg/Kg	0.01	N/A	
Fenitrothion	Report Results	ND	mg/Kg	0.01	N/A	
Fenpropathrin	Report Results	ND	mg/Kg	0.01	N/A	
Fensulfothions (sum)	Report Results	ND	mg/Kg	0.04	N/A	
Fensulfothion-oxon	Report Results	ND	mg/Kg	0.01	N/A	
Fensulfothion-oxonsulfone	Report Results	ND	mg/Kg	0.01	N/A	
Fensulfothion-sulfone	Report Results	ND	mg/Kg	0.01	N/A	
Fenthions (sum)	Report Results	ND	mg/Kg	0.02	N/A	
Fenthion oxon	Report Results	ND	mg/Kg	0.02	N/A	
Fenthion oxonsulfone	Report Results	ND	mg/Kg	0.02	N/A	
Fenthion oxonsulfoxide	Report Results	ND	mg/Kg	0.02	N/A	

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Fenthion sulfone	Report Results	ND	mg/Kg	0.02	N/A
Fenthion sulfoxide	Report Results	ND	mg/Kg	0.02	N/A
Flucythrinate	Report Results	ND	mg/Kg	0.01	N/A
Fluvalinate	Report Results	ND	mg/Kg	0.01	N/A
Fonophos	Report Results	ND	mg/Kg	0.01	N/A
Malathion (and oxon, sum)	Report Results	ND	mg/Kg	0.02	N/A
Malathion oxon	Report Results	ND	mg/Kg	0.01	N/A
Mecarbam	Report Results	ND	mg/Kg	0.01	N/A
Methacriphos	Report Results	ND	mg/Kg	0.01	N/A
Methamidophos	Report Results	ND	mg/Kg	0.01	N/A
Methadathion	Report Results	ND	mg/Kg	0.01	N/A
Monocrotophos	Report Results	ND	mg/Kg	0.01	N/A
Parathion-ethyl (and oxon, sum)	Report Results	ND	mg/Kg	0.02	N/A
Paraoxon ethyl	Report Results	ND	mg/Kg	0.01	N/A
Parathion-methyl (and oxon, sum)	Report Results	ND	mg/Kg	0.02	N/A
Paraoxon methyl	Report Results	ND	mg/Kg	0.01	N/A
Pendimethalin	Report Results	ND	mg/Kg	0.01	N/A
Phosalone	Report Results	ND	mg/Kg	0.01	N/A
Pirimiphos ethyl	Report Results	ND	mg/Kg	0.01	N/A
Pirimphos methyl (and N-desethyl-, sum)	Report Results	ND	mg/Kg	0.03	N/A
N-desethylpirimiphos methyl	Report Results	ND	mg/Kg	0.02	N/A
Procymidone	Report Results	ND	mg/Kg	0.01	N/A
Profenofos	Report Results	ND	mg/Kg	0.01	N/A
Prothiophos	Report Results	ND	mg/Kg	0.01	N/A
Pyrethrum (sum of following six)	Report Results	ND	mg/Kg	0.05	N/A
Cinerin I	Report Results	ND	mg/Kg	0.05	N/A
Cinerin II	Report Results	ND	mg/Kg	0.05	N/A
Jasmoline I	Report Results	ND	mg/Kg	0.05	N/A
Jasmoline II	Report Results	ND	mg/Kg	0.05	N/A
Pyrethrin I	Report Results	ND	mg/Kg	0.05	N/A
Pyrethrin II	Report Results	ND	mg/Kg	0.05	N/A
Quinalphos	Report Results	ND	mg/Kg	0.01	N/A
Tetradifon	Report Results	ND	mg/Kg	0.01	N/A
Vinclozolin	Report Results	ND	mg/Kg	0.01	N/A
Aldrin (and Dieldrin, sum)	Report Results	ND	mg/Kg	0.02	N/A
Dieldrin	Report Results	ND	mg/Kg	0.01	N/A
Alachlor	Report Results	ND	mg/Kg	0.01	N/A
Bromopropylate	Report Results	ND	mg/Kg	0.01	N/A
Chlordanes (sum)	Report Results	ND	mg/Kg	0.02	N/A
cis-Chlordane	Report Results	ND	mg/Kg	0.01	N/A
trans-Chlordane	Report Results	ND	mg/Kg	0.01	N/A
oxy-Chlordane	Report Results	ND	mg/Kg	0.02	N/A
Chlorpyrifos-ethyl	Report Results	ND	mg/Kg	0.01	N/A
Chlorpyrifos-methyl	Report Results	ND	mg/Kg	0.01	N/A
Chlorthal-dimethyl	Report Results	ND	mg/Kg	0.01	N/A
Cyfluthrin	Report Results	ND	mg/Kg	0.02	N/A

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
lambda-Cyhalothrin	Report Results	ND	mg/Kg	0.01	N/A
Cypermethrins	Report Results	ND	mg/Kg	0.02	N/A
DDT (sum of DDT, DDE, DDD)	Report Results	ND	mg/Kg	0.01	N/A
o,p-DDT	Report Results	ND	mg/Kg	0.01	N/A
p,p-DDT	Report Results	ND	mg/Kg	0.01	N/A
o,p-DDE	Report Results	ND	mg/Kg	0.01	N/A
p,p-DDE	Report Results	ND	mg/Kg	0.01	N/A
o,p-DDD	Report Results	ND	mg/Kg	0.01	N/A
p,p-DDD	Report Results	ND	mg/Kg	0.01	N/A
Dicofol	Report Results	ND	mg/Kg	0.01	N/A
Endosulfans	Report Results	ND	mg/Kg	0.01	N/A
Endosulfan I	Report Results	ND	mg/Kg	0.01	N/A
Endosulfan II	Report Results	ND	mg/Kg	0.01	N/A
Endosulfan sulfate	Report Results	ND	mg/Kg	0.01	N/A
Endrin	Report Results	ND	mg/Kg	0.01	N/A
Fenvalderate (and esfen-, sum)	Report Results	ND	mg/Kg	0.02	N/A
Esfenvalerate	Report Results	ND	mg/Kg	0.02	N/A
Heptachlor (and epoxide, sum)	Report Results	ND	mg/Kg	0.02	N/A
Heptachlor epoxide (cis/trans)	Report Results	ND	mg/Kg	0.01	N/A
Hexachlorobenzene	Report Results	ND	mg/Kg	0.01	N/A
Hexachlorohexanes (sum)	Report Results	ND	mg/Kg	0.01	N/A
alpha-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.01	N/A
beta-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.01	N/A
delta-Hexachlorocyclohexane	Report Results	ND	mg/Kg	0.01	N/A
Lindane	Report Results	ND	mg/Kg	0.01	N/A
Methoxychlor	Report Results	ND	mg/Kg	0.01	N/A
Mirex	Report Results	ND	mg/Kg	0.01	N/A
Pentachloroanisole	Report Results	ND	mg/Kg	0.01	N/A
Permethrins (sum)	Report Results	0.064	mg/Kg	0.01	N/A
cis-Permethrin	Report Results	0.019	mg/Kg	0.01	N/A
trans-Permethin	Report Results	0.045	mg/Kg	0.01	N/A
Piperonyl butoxide	Report Results	ND	mg/Kg	0.01	N/A
Quintozene (sum of following two)	Report Results	ND	mg/Kg	0.09	N/A
Pentachloroaniline	Report Results	ND	mg/Kg	0.02	N/A
Methyl pentachlorophenyl sulfide	Report Results	ND	mg/Kg	0.05	N/A
Tecnazene	Report Results	ND	mg/Kg	0.01	N/A
S-421	Report Results	ND	mg/Kg	0.01	N/A

Additional Report Notes

N/A

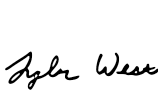
Revision History

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:	03AUG2026