Certificate of Analysis

Customer Information

Client:

Attention:

Address:

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:	26-04-KAV-X-OL-75-020
Lot Number:	01
Description:	Semi-solid botanical extract
Condition:	Good
Job ID:	ISO08380
Sample ID:	I23409
Received:	16OCT2026
Completed:	26OCT2026
Report Date:	26OCT2026

Test Results

Microbial Examination **Method Code: T005** **Tested: 21OCT2026 | 1352**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000 CFU/g	<LOQ	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 1 g	Not Detected	N/A	1 CFU/1g	PASS
Salmonella spp.	Not Detected in 1 g	Not Detected	N/A	1 CFU/1g	PASS

Kavalactones (UHPLC-DAD) **Method Code: T104** **Tested: 22OCT2026 | 1055**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
Kavain	Report Results	196	mg/g	2.2	0.81
Dihydrokavain	Report Results	206	mg/g	2.2	0.81
Methysticin	Report Results	81.1	mg/g	2.2	0.81
Dihydromethysticin	Report Results	98.3	mg/g	2.2	0.81
Yangonin	Report Results	92.3	mg/g	2.2	0.81
Desmethoxyyangonin	Report Results	79.8	mg/g	2.2	0.81
Flavokawain A	Report Results	14.9	mg/g	2.2	0.81
Flavokawain B	Report Results	21.7	mg/g	2.2	0.81
Flavokawain C	Report Results	ND	mg/g	2.2	0.81
Component Sum	Report Results	790	mg/g	2.2	0.81

Residual Solvents: Class I (GC-MS) **Method Code: T201** **Tested: 26OCT2026 | 0533**

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
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: 26OCT2026 | 0533**

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: 26OCT2026 | 0533**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	125	PASS
Diethyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
Ethanol	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

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
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
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	125	PASS
Anisole	NMT 5000	<LOQ	ug/g	125	PASS

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 20OCT2026 | 1405**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	0.027	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	0.005	ug/g	0.002	PASS

Pesticides (GC-MS/MS) **Method Code: T401** **Tested: 23OCT2026 | 2014**

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

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
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
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

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
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
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	ND	mg/Kg	0.01	N/A
cis-Permethrin	Report Results	ND	mg/Kg	0.01	N/A
trans-Permethin	Report Results	ND	mg/Kg	0.01	N/A
Piperonyl butoxide	Report Results	ND	mg/Kg	0.01	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
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

Mycotoxins **Method Code: T403** **Tested: 22OCT2026 | 2140**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Aflatoxin B1	Report Results	ND	mg/Kg	0.001	N/A
Aflatoxin B2	Report Results	ND	mg/Kg	0.001	N/A
Aflatoxin G1	Report Results	ND	mg/Kg	0.001	N/A
Aflatoxin G2	Report Results	ND	mg/Kg	0.001	N/A
Ochratoxin	Report Results	ND	mg/Kg	0.005	N/A

Additional Report Notes

T401 and T403 performed by a registered outsourcing facility.

Revision History

Report ID: 9bcc7801-bd46-5172-b6b9-663d0926c7a6
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: Tyler West
Name: Tyler West
Position: Laboratory Director
Department: Management
Date: 26OCT2026

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.