

GRAPE FS

Sample ID: 2109CSALA7049.8073

Matrix: Ingestible

Type: Solid Product

Sample Size: 1 units

Batch Size: 150000 units

Batch#: G130921

Produced: 09/15/2021

Collected: 09/17/2021

Received: 09/17/2021

Completed: 09/20/2021

Client

Koi CBD Testing

Lic. #

5615 Industrial Place

Colorado Springs, CO 80916



Summary

Pass

47.0696 mg/serving Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals
NT Moisture Moisture Analyzer SOP-103	Pass 0.59 aw Water Activity Water Activity Meter SOP-102 Date Tested: 09/17/2021	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 09/17/2021

Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	mg/serving	mg/g
CBD	0.018	0.025	30.3608	4.3373
Δ9-THC	0.021	0.025	6.8059	0.9723
CBT *	0.02	0.098	6.4956	0.9279
CBG	0.023	0.025	1.8685	0.2669
CBC	0.021	0.025	0.8866	0.1267
CBDV	0.024	0.025	0.3765	0.0538
CBN	0.024	0.025	0.2757	0.0394
Δ8-THC	0.022	0.025	<LOQ	<1mg/g
THCV	0.024	0.025	ND	ND
CBCA *	0.022	0.025	ND	ND
CBDa	0.013	0.025	ND	ND
CBDVA *	0.024	0.025	ND	ND
CBGa	0.019	0.025	ND	ND
THCa	0.018	0.025	ND	ND
THCVA *	0.024	0.025	ND	ND

6.8059 mg/serving Total THC	30.3608 mg/serving Total CBD
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1 serving = 1 gummy, 7.0 grams; 20.0 servings per package; 136.117 mg/package Total THC; 607.2165 mg/package Total CBD;

Date Tested: 09/18/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

* Denotes analytes pending ISO-17025 scope addition



ISO / IEC 17025:2017 ACCREDITED
LABORATORY
Accreditation No. 73653

Neyajourab

Neya Jourabchian
Laboratory Director
09/20/2021

Brandon Hill

Brandon Hill
COA Review
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Pesticides

Pass

Testing method: LCMS & GCMS-SOP 301 and 302

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.068	0.088	0.3	ND	Pass	Fludioxonil	0.05	0.078	30	ND	Pass
Acephate	0.035	0.078	5	ND	Pass	Hexythiazox	0.0405	0.078	2	ND	Pass
Acequinocyl	0.033	0.078	4	ND	Pass	Imazalil *	0.0475	0.078	0.0475	ND	Pass
Acetamiprid	0.034	0.078	5	ND	Pass	Imidacloprid	0.0335	0.078	3	ND	Pass
Aldicarb *	0.0325	0.078	0.0325	ND	Pass	Kresoxim Methyl	0.033	0.078	1	ND	Pass
Azoxystrobin	0.0335	0.078	40	ND	Pass	Malathion	0.0495	0.078	5	ND	Pass
Bifenazate	0.069	0.078	5	ND	Pass	Metalaxyl	0.0355	0.078	15	ND	Pass
Bifenthrin	0.0665	0.078	0.5	ND	Pass	Methiocarb *	0.0505	0.078	0.0505	ND	Pass
Boscalid	0.0455	0.078	10	ND	Pass	Methomyl	0.0395	0.078	0.1	ND	Pass
Captan	0.32	0.625	5	ND	Pass	Methyl Parathion *	0.04	0.08	0.04	ND	Pass
Carbaryl	0.04	0.078	0.5	ND	Pass	Mevinphos *	0.034	0.078	0.034	ND	Pass
Carbofuran *	0.034	0.078	0.034	ND	Pass	Myclobutanil	0.0615	0.078	9	ND	Pass
Chlorantranilprole	0.033	0.078	40	ND	Pass	Naled	0.0515	0.078	0.5	ND	Pass
Chlordane *	0.025	0.08	0.025	ND	Pass	Oxamyl	0.0325	0.078	0.2	ND	Pass
Chlorfenapyr *	0.02	0.08	0.02	ND	Pass	Paclobutrazol *	0.062	0.078	0.062	ND	Pass
Chlorpyrifos *	0.033	0.078	0.033	ND	Pass	Pentachloronitrobenzene	0.035	0.08	0.2	ND	Pass
Clofentezine	0.0465	0.078	0.5	ND	Pass	Permethrin	0.05	0.078	20	ND	Pass
Coumaphos *	0.041	0.078	0.041	ND	Pass	Phosmet	0.0335	0.078	0.2	ND	Pass
Cyfluthrin	0.148	0.1565	1	ND	Pass	Piperonyl Butoxide	0.039	0.078	8	ND	Pass
Cypermethrin	0.079	0.1565	1	ND	Pass	Prallethrin	0.0405	0.078	0.4	ND	Pass
Daminozide *	0.0435	0.078	0.0435	ND	Pass	Propiconazole	0.0405	0.078	20	ND	Pass
DDVP *	0.0375	0.078	0.0375	ND	Pass	Propoxur *	0.0415	0.078	0.0415	ND	Pass
Diazinon	0.0305	0.078	0.2	ND	Pass	Pyrethrins	0.1885	0.221	1	ND	Pass
Dimethoate *	0.0275	0.078	0.0275	ND	Pass	Pyridaben	0.0285	0.0585	3	ND	Pass
Dimethomorph	0.033	0.078	20	ND	Pass	Spinetoram	0.042	0.078	3	ND	Pass
Ethoprophos *	0.0295	0.078	0.0295	ND	Pass	Spinosad	0.0385	0.078	3	ND	Pass
Etofenprox *	0.038	0.078	0.038	ND	Pass	Spiromesifen	0.038	0.078	12	ND	Pass
Etoxazole	0.034	0.078	1.5	ND	Pass	Spirotetramat	0.0305	0.078	13	ND	Pass
Fenhexamid	0.0715	0.078	10	ND	Pass	Spiroxamine *	0.031	0.078	0.031	ND	Pass
Fenoxycarb *	0.028	0.078	0.028	ND	Pass	Tebuconazole	0.034	0.078	2	ND	Pass
Fenpyroximate	0.0255	0.078	2	ND	Pass	Thiacloprid *	0.033	0.078	0.033	ND	Pass
Fipronil *	0.057	0.078	0.057	ND	Pass	Thiamethoxam	0.039	0.078	4.5	ND	Pass
Flonicamid	0.043	0.078	2	ND	Pass	Trifloxystrobin	0.0395	0.078	30	ND	Pass

Date Tested: 09/17/2021

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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Microbials

Testing method: PCR-SOP 401

Pass

Analyte	Result	Status
Salmonella	Not Detected	Pass
Shiga toxin-producing E. Coli	Not Detected	Pass

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Mycotoxins

Testing method: LCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	2.0	4.0		ND	Tested
Aflatoxin B2	3.0	4.0		ND	Tested
Aflatoxin G1	2.5	4.0		ND	Tested
Aflatoxin G2	3.0	4.0		ND	Tested
Total Aflatoxins	10.5	16.0	20	ND	Pass
Ochratoxin A	6.5	15.5	20	ND	Pass

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Heavy Metals

Testing method: ICPMS-SOP 502

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.005	0.0496	1.5	<LOQ	Pass
Cadmium	0.003	0.0496	0.5	ND	Pass
Lead	0.0099	0.0496	0.5	0.053	Pass
Mercury	0.002	0.0496	3	<LOQ	Pass

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Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.0767	0.9593	1	ND	Pass
Acetone	8.8258	47.9662	5000	ND	Pass
Acetonitrile	16.769	55.9862	410	ND	Pass
Benzene	0.0767	0.9593	1	ND	Pass
Butane	33.8833	113.0084	5000	ND	Pass
Chloroform	0.1919	0.9593	1	ND	Pass
Ethanol	14.3515	47.9662	5000	<LOQ	Pass
Ethyl acetate	12.2794	47.9662	5000	ND	Pass
Ethylene Oxide	0.2686	0.9593	1	ND	Pass
Ethyl ether	15.3492	51.1896	5000	ND	Pass
Heptane	40.4068	134.7659	5000	ND	Pass
Isopropyl alcohol	18.9946	63.3538	5000	ND	Pass
Methanol	142.9394	476.7843	3000	ND	Pass
Methylene chloride	0.1151	0.9593	1	ND	Pass
Hexane	32.617	108.749	290	ND	Pass
Pentane	26.9378	89.8695	5000	ND	Pass
Propane	40.7137	135.802	5000	ND	Pass
Toluene	23.0238	76.7843	890	ND	Pass
Trichloroethylene	0.0767	0.9593	1	ND	Pass
Total xylenes	62.855	209.5932	2170	ND	Pass

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