



Certificate of Analysis

Sample: CA10205001-002
Harvest/Lot ID: 200911WMD8
Seed to Sale #N/A
Batch Date : 01/22/21
Batch#: 200911WMD8
Sample Size Received: 18 gram
Retail Product Size: 4.5
Ordered : 02/02/21
sampled : 02/02/21
Completed: 02/12/21 Expires: 02/12/22
Sampling Method: SOP Client Method

PASSED

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Feb 12, 2021 | Koi CBD

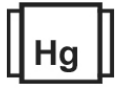
14631 Best Ave.
Norwalk, CA, 90650, US



PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
0.000%



Total Cannabinoids
0.654%

CBDV	CBD	CBG	THCV	CBDA	CBGA	CBN	D9-THC	D8-THC	CBC	THCA-A
ND	ND	ND	ND	ND	ND	ND	ND	0.654%	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	6.540 mg/g	ND	ND
LOD 0.02 %	LOD 0.01 %	LOD 0.01 %	LOD 0.02 %	LOD 0.02 %	LOD 0.02 %	LOD 0.01 %	LOD 0.02 %	LOD 0.02 %	LOD 0.01 %	LOD 0.01 %

Filtration PASSED

Analyzed By	Weight	Extraction date	Extracted By	NA Result
1048	NA	NA		
Analyte			LOD	0
Insect fragments, hairs & mammalian excreta				
Analysis Method -SOP.T.40.013		Batch Date : 02/05/21 12:16:29		
Analytical Batch -CA000696FIL		Reviewed On - 02/05/21 12:17:18		
Instrument Used :				

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1068	3.047g	NA	NA
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 02/09/21 08:58:54	Batch Date : 02/08/21 12:28:53
Analytical Batch -CA000702POT		Instrument Used : HPLC-3Dplus(MO-HPLC-01)	

Reagent	Dilution	Consums. ID
120120.03	40	200110
113020.05		VAV-09-1020
020821.R01		VAV-09-1020
020321.R01		80081-188
020821.R02		YO189AF0002398
		842751369
		K471831
		L327011
		288036252

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 0.5 mg/L). The results of total THC, total CBD and total Cannabinoids in plant sample are reported on a dry weight basis. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.

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Haifei Yin
Lab Director

State License # NA
ISO Accreditation #
L18-47-1



Signature

02/12/2021

Signed On



Certificate of Analysis

PASSED

Koi CBD

14631 Best Ave.
Norwalk, CA, 90650, US
Telephone: 2098181464
Email: molly@cbd.io

Sample : CA10205001-002

Harvest/LOT ID: 200911WMD8

Batch# : 200911WMD8

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Ordered : 02/02/21

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Completed : 02/12/21 Expires: 02/12/22

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.016	ug/g	0.016	ND	CHLORPYRIFOS	0.014	ug/g	0.014	ND
ACEPHATE	0.0012	ug/g	5	ND	HEXYTHIAZOX	0.0031	ug/g	2	ND
OXAMYL	0.0099	ug/g	0.2	ND	ETOXAZOLE	0.0030	ug/g	1.5	ND
FLONICAMID	0.0150	ug/g	2	ND	SPIROMESIFEN	0.0029	ug/g	12	ND
THIAMETHOXAM	0.0048	ug/g	4.5	ND	CYFLUTHRIN	0.1724	ug/g	1	ND
METHOMYL	0.0070	ug/g	0.1	ND	CYPERMETHRIN	0.0059	ug/g	1	ND
IMIDACLOPRID	0.0071	ug/g	3	ND	FENPYROXIMATE	0.0032	ug/g	2	ND
ACETAMIPRID	0.0058	ug/g	5	ND	PYRIDABEN	0.0033	ug/g	3	ND
MEVINPHOS	0.0081	ug/g	0.0081	ND	ABAMECTIN B1A	0.0322	ug/g	0.3	ND
DIMETHOATE	0.0044	ug/g	0.0044	ND	ETOFENPROX	0.0048	ug/g	0.0048	ND
THIACLOPRID	0.0046	ug/g	0.0046	ND	BIFENTHRIN	0.0044	ug/g	0.5	ND
IMAZALIL	0.0029	ug/g	0.0029	ND	ACEQUINOCYL	0.0074	ug/g	4	ND
ALDICARB	0.018	ug/g	0.018	ND	SPIINOSADS	0.0010	ug/g	3	ND
PROPOXUR	0.018	ug/g	0.018	ND	PYRETHRINS	0.00190	ug/g	1	ND
DICHLORVOS	0.029	ug/g	0.029	ND	PERMETHRINS	0.0016	ug/g	20	ND
CARBOFURAN	0.011	ug/g	0.011	ND	PCNB *	0.01873	ug/g	0.2	ND
CARBARYL	0.0114	ug/g	0.5	ND	PARATHION-METHYL *	0.01356	ug/g	0.1	ND
NALED	0.0055	ug/g	0.5	ND	CAPTAN *	0.03668	ug/g	5	ND
CHLORANTRANILIPROLE	0.0216	ug/g	40	ND	CHLORDANE *	0.02115	ug/g	0.1	ND
METALAXYL	0.0019	ug/g	15	ND	CHLORFENAPYR *	0.01981	ug/g	0.1	ND
PHOSMET	0.0058	ug/g	0.2	ND					
AZOXYSTROBIN	0.0056	ug/g	40	ND					
FLUDIOXONIL	0.0067	ug/g	30	ND					
SPIROXAMINE	0.0028	ug/g	0.0028	ND					
BOSCALID	0.0047	ug/g	10	ND					
METHIOCARB	0.010	ug/g	0.01	ND					
PACLOBUTRAZOL	0.0028	ug/g	0.0028	ND					
MALATHION	0.0034	ug/g	5	ND					
DIMETHOMORPH	0.0026	ug/g	20	ND					
MYCLOBUTANIL	0.0038	ug/g	9	ND					
BIFENAZATE	0.0041	ug/g	5	ND					
FENHEXAMID	0.0022	ug/g	10	ND					
SPIROTETRAMAT	0.0348	ug/g	13	ND					
FIPRONIL	0.0041	ug/g	0.0041	ND					
ETHOPROPHOS	0.0037	ug/g	0.0037	ND					
FENOXYCARB	0.0039	ug/g	0.0039	ND					
KRESOXIM-METHYL	0.0056	ug/g	1	ND					
TEBUCONAZOLE	0.0018	ug/g	2	ND					
COUMAPHOS	0.0033	ug/g	0.0033	ND					
DIAZINON	0.0031	ug/g	0.2	ND					
PROPICONAZOLE	0.0029	ug/g	20	ND					
CLOFENTEZINE	0.0034	ug/g	0.5	ND					
SPINETORAM	0.0008	ug/g	3	ND					
TRIFLOXYSTROBIN	0.0026	ug/g	30	ND					
PRALLETHRIN	0.0060	ug/g	0.4	ND					
PIPERONYL BUTOXIDE	0.0026	ug/g	8	ND					

Pesticides PASSED

Analyzed by 1051, 1051	Weight 0.508g	Extraction date NA	Extracted By NA
Analysis Method - SOP.T.30.060, SOP.T.40.060, Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 5 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis and SOP.T.40.070 Procedure for Pesticide Quantification Using GCMS).			
Analytical Batch - CA000698PES, CA000704VOL		Reviewed On - 02/05/21 12:17:18	
Instrument Used : LCMS-8060 (PES) (MO-LCMS-001) , GCMS-TQ8050_DER(MO-GCMSTQ-01)			
Running On : Batch Date : 02/08/21 10:09:33			
Reagent	Dilution	Consums. ID	
111720.03	5	VAV-09-1020	
010421.802		66022-060	
02021.802		ALB-09-1414	
113920.603		80081-198	
020421.807		19210465	
072020.01		L39826I	
012621.801		L42292I	
		L37138I	
		470228-424	
		SPN-BV-1025	
		76124-646	

Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution. *

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Haifei Yin
Lab Director
State License # NA
ISO Accreditation #
L18-47-1



Signature

02/12/2021
Signed On



Certificate of Analysis

PASSED

Koi CBD

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Sample : CA10205001-002

Harvest/LOT ID: 200911WMD8

Batch# : 200911WMD8

Sampled : 02/02/21

Ordered : 02/02/21

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Completed : 02/12/21 Expires: 02/12/22


Sample Method : SOP Client Method

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Residual Solvents

PASSED



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2- DICHLOROETHANE	0.3	ug/g	1	PASS	ND
ACETONE	200	ug/g	5000	PASS	ND
ACETONITRILE	200	ug/g	410	PASS	ND
BENZENE	0.3	ug/g	1	PASS	ND
BUTANE	200	ug/g	5000	PASS	ND
CHLOROFORM	0.3	ug/g	1	PASS	ND
ETHANOL	200	ug/g	5000	PASS	ND
ETHYL ACETATE	200	ug/g	5000	PASS	ND
ETHYL ETHER	200	ug/g	5000	PASS	ND
ETHYLENE OXIDE	0.3	ug/g	1	PASS	ND
HEPTANE	200	ug/g	5000	PASS	ND
ISOPROPANOL	200	ug/g	5000	PASS	ND
METHANOL	200	ug/g	3000	PASS	ND
METHYLENE CHLORIDE	0.3	ug/g	1	PASS	ND
N-HEXANE	200	ug/g	290	PASS	ND
PENTANE	200	ug/g	500	PASS	ND
PROPANE	200	ug/g	500	PASS	ND
TOLUENE	44.1866	ug/g	890	PASS	ND
TRICHLOROETHYLENE	0.3	ug/g	1	PASS	ND
XYLENES*	200	ug/g	2170	PASS	ND

Analyzed by 1050 Weight 0.252g Extraction date NA Extracted By NA

Analysis Method -SOP.T.40.032
 Analytical Batch -CA000715SOL Reviewed On - 02/11/21 10:45:32
 Instrument Used : GCMS-QP2020(MO-GCMS-01)
 Running On :
 Batch Date : 02/10/21 12:00:59

Reagent	Dilution	Consums. ID
100220.01		REST-21764
110420.01		33011020200006
081020.R21		
011420.01		

Residual solvents screening is performed using GC-MS which can analyze 20 Residual solvents. (Method: SOP.T.40.034 Residual Solvents Analysis by GC-MS). Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.

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Certificate of Analysis

PASSED

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Telephone: 2098181464
Email: molly@cbd.io

Sample : CA10205001-002

Harvest/LOT ID: 200911WMD8

Batch# : 200911WMD8

Sampled : 02/02/21

Ordered : 02/02/21

Sample Size Received : 18 gram


Completed : 02/12/21 Expires: 02/12/22

Sample Method : SOP Client Method

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Microbials
PASSED



Mycotoxins
PASSED

Analyte	LOD	Result
SALMONELLA		not present in 1 gram.
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.
SHIGA TOXIN-PRODUCING ESCHERICHIA. COLI		not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -CA000700MIC Batch Date : 02/08/21
Instrument Used : Sensovation SensoSpot Fluorescence
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1069	1.19g	NA	NA

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID	Consums. ID
010920.22	200103-274	76322-134	216215	RU12041	18353
010620.24	10025-726	26219028	QU26793	842730950	03086
120920.03	200103274	6980A10	QU27364	960550291	
	89012-778	107400-31-060120	QU27000	QU24028	
	215918	107533-17-071520	RU13471	QU28720	
	13-681-506	209058	RU14275	RU14274	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyte	LOD	Units	Result	Action Level (PPB)
OCHRATOXIN A+	5.000	µg/kg	ND	20
AFLATOXIN B1	0.5	µg/kg	ND	20
AFLATOXIN G1	0.5	µg/kg	ND	20
AFLATOXIN G2	1	µg/kg	ND	20
AFLATOXIN B2	0.5	µg/kg	ND	20
TOTAL AFLATOXINS (SUM OF B1, B2, G1 &G2)	7.2	µg/kg	ND	20

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -CA000703MYC | Reviewed On - 02/09/21 11:30:15
Instrument Used : LCMS-8060 (MYC) (MO-LCMS-001)
Running On :
Batch Date : 02/08/21 12:48:56

Analyzed by	Weight	Extraction date	Extracted By
1051	NA	NA	NA

Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.



Heavy Metals
PASSED

Reagent	Reagent
010220.01	101920.02
030220.11	
012021.R02	
120219.03	
020320.02	
110920.R09	

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0007	µg/g	0.008	1.5
CADMIUM	0.0036	µg/g	<0.011	0.5
LEAD	0.0085	µg/g	<0.027	0.5
MERCURY	0.0029	µg/g	0.024	3

Analyzed by	Weight	Extraction date	Extracted By
1050	0.57g	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -CA000711HEA | Reviewed On - 02/10/21 12:19:13
Instrument Used : ICPMS-2030(MO-ICPMS-01)
Running On :
Batch Date : 02/10/21 09:07:19

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. Expanded measurements of uncertainties are statistically derived from QC data at 95% confidence level (k=1.96) for a normal distribution.

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