

## CERTIFICATE OF ANALYSIS

PRODUCED: MAR 15, 2022

SAMPLE: HIFI LEMON (PRE-ROLL) // CLIENT: LADYBUG FARMS // BATCH: PASS



**BATCH NO.:** LBF-CC698-HFL-PR  
**METRC UID:** 1A4060300003F10000006106  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220310-057  
**COLLECTED ON:** MAR 10, 2022  
**RECEIVED ON:** MAR 10, 2022  
**BATCH/SAMPLE SIZE:** 5020 UNITS / 20 UNITS  
**PACKAGE SIZE:** 0.5 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>24.29179 %</b>
<b>TOTAL CBD:</b>	<b>0.07027 %</b>
<b>SUM OF CANNABINOIDS:</b>	<b>29.22585 %</b>

### MANUFACTURER INFO

**MANUFACTURER**  
 LADYBUG FARMS, LLC  
 1400 SAN JUAN RD  
 ROYAL OAKS, CA 95076

**LICENSE**  
 C11-0000255-LIC  
 ADULT-USE AND MEDICINAL -  
 DISTRIBUTOR LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 LADYBUG FARMS, LLC  
 1400 SAN JUAN RD  
 ROYAL OAKS, CA 95076

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### BCL-03: CANNABINOID POTENCY BY HPLC-UV // MAR 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01078/0.24491	N/A
BCA	0.48301 %	4.8301 mg/g	0.03086/0.24491	N/A
CBD	ND	ND	0.01518/0.24491	N/A
CBDA	0.08013 %	0.8013 mg/g	0.00784/0.24491	N/A
CBDV	ND	ND	0.01176/0.24491	N/A
CBDVA	ND	ND	0.00784/0.24491	N/A
CBG	0.06505 %	0.6505 mg/g	0.0142/0.24491	N/A
CBGA	0.98533 %	9.8533 mg/g	0.0098/0.24491	N/A
CBN	ND	ND	0.00784/0.24491	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02841/0.24491	N/A
Δ <sup>9</sup> -THC	1.42643 %	14.2643 mg/g	0.02057/0.24491	N/A
THCA	26.07225 %	260.7225 mg/g	0.01469/0.24491	N/A
THCV	ND	ND	0.01616/0.24491	N/A
THCVA	0.11365 %	1.1365 mg/g	0.01127/0.24491	N/A
TOT THC **	24.29179 %	242.9179 mg/g		N/A
TOT CBD **	0.07027 %	0.7027 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	7.13 mg			N/A
TOT CBD/PKG **	0.35 mg			N/A
TOT THC/PKG **	121.46 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // MAR 12, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.91266 %	9.1266 mg/g		N/A
β-CARYOPHYLLENE	0.26769 %	2.6769 mg/g	0.00179/0.13055	N/A
β-MYRCENE	0.13769 %	1.3769 mg/g	0.00035/0.13055	N/A
D-LIMONENE	0.10205 %	1.0205 mg/g	0.00023/0.13055	N/A
α-PINENE	0.15400 %	1.5400 mg/g	0.0002/0.13055	N/A
α-HUMULENE	0.08363 %	0.8363 mg/g	0.00044/0.13055	N/A
β-PINENE	0.05983 %	0.5983 mg/g	0.00211/0.13055	N/A
LINALOOL	0.04972 %	0.4972 mg/g	0.00035/0.13055	N/A
GUAIOL	0.04550 %	0.4550 mg/g	0.00255/0.13055	N/A
β-OCIMENE	0.01255 %	0.1255 mg/g	0.00047/0.09008	N/A
CAMPHENE	< LOQ	< LOQ	0.0002/0.13055	N/A
GERANIOL	ND	ND	0.00027/0.13055	N/A
P-CYMENE	ND	ND	0.00025/0.13055	N/A
ISOPULEGOL	ND	ND	0.00051/0.13055	N/A
α-BISABOLOL	ND	ND	0.00407/0.13055	N/A
γ-TERPINENE	ND	ND	0.00044/0.13055	N/A
EUCALYPTOL	ND	ND	0.00044/0.13055	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00043/0.13055	N/A
α-TERPINENE	ND	ND	0.00028/0.13055	N/A
α-OCIMENE	ND	ND	0.00126/0.04047	N/A
TERPINOLENE	ND	ND	0.00028/0.13055	N/A

\*\* TOTAL CBD = (CBDA X 0.877) + CBD  
 \*\* TOTAL THC = (THCA X 0.877) + THC  
 DRY-WEIGHT AMOUNTS SHOWN

SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

**RESULTS CERTIFIED BY:** CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 MAR 15, 2022



## BCL-13: PESTICIDE TESTING BY GC/MS // MAR 12, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03061/0.09269	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01082/0.03282	N/A
CHLORDANE TRANS		ND	0.01036/0.0313	N/A
CHLORFENAPYR	Any amt	ND	0.02333/0.07064	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01088/0.03305	PASS
DICHLORVOS	Any amt	ND	0.01146/0.03474	PASS
METHYL PARATHION	Any amt	ND	0.01315/0.03986	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01367/0.04149	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // MAR 13, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
MALATHION	0.5 µg/g	< LOQ	0.00472/0.02	PASS
METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
METHIOCARB	Any amt	ND	0.00503/0.02	PASS
METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00163/0.0084	N/A
MEVINPHOS II		ND	0.00542/0.0316	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
NALED	0.1 µg/g	ND	0.00328/0.02	PASS
OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00237/0.0082	N/A
PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
PIPERONYLBUTOXIDE	3 µg/g	ND	0.00247/0.02	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
PROPOXUR	Any amt	ND	0.00374/0.02	PASS
PYRETHRINS	0.5 µg/g	ND	0.00726/0.04	PASS
PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00329/0.016	N/A
SPINETORAM L		ND	0.00157/0.016	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00205/0.01438	N/A
SPINOSAD D		ND	0.00104/0.00498	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS



## BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // MAR 12, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16387/0.57165	PASS
ACETONE	5000 µg/g	ND	18.44512/57.16463	PASS
ACETONITRILE	410 µg/g	ND	16.36814/57.16463	PASS
BENZENE	1 µg/g	ND	0.07241/0.57165	PASS
BUTANE	5000 µg/g	ND	17.25991/57.16463	PASS
CHLOROFORM	1 µg/g	ND	0.16768/0.57165	PASS
ETHANOL	5000 µg/g	ND	14.15015/57.16463	PASS
ETHYL ACETATE	5000 µg/g	ND	17.47332/57.16463	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18293/0.57165	PASS
ETHYL ETHER	5000 µg/g	ND	15.39253/57.16463	PASS
HEPTANE	5000 µg/g	ND	13.46799/57.16463	PASS
HEXANE	290 µg/g	ND	20.73552/95.27439	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.29116/57.16463	PASS
METHANOL	3000 µg/g	ND	12.81631/57.16463	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14482/0.57165	PASS
PENTANE	5000 µg/g	ND	31.51677/95.27439	PASS
PROPANE	5000 µg/g	ND	16.2843/57.16463	PASS
TOLUENE	890 µg/g	ND	8.99771/57.16463	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07622/0.57165	PASS
O-XYLENE		ND	4.26067/28.58232	N/A
P- AND M-XYLENE		ND	3.94817/28.58232	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // MAR 13, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.23/4	N/A
AFLATOXIN B2		ND	0.181/4	N/A
AFLATOXIN G1		ND	0.155/4	N/A
AFLATOXIN G2		ND	0.934/4	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.385/4	PASS

## BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // MAR 11, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.46	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAR 11, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	25 %	ND	PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT	1 Unit	ND	PASS
MOLD	25 %	ND	PASS
SAND, SOIL, CINDERS, DIRT	25 %	ND	PASS

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // MAR 12, 2022

ANALYTE	LIMIT	AMT (CFU)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amt in 1 gram	ND	PASS
ASPERGILLUS NIGER	Any amt in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amt in 1 gram	ND	PASS
ESCHERICHIA COLI	Any amt in 1 gram	ND	PASS
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

## BCL-020: HEAVY METAL TESTING BY ICP-MS // MAR 12, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	< LOQ	0.001/0.05	PASS
CADMIUM	0.2 µg/g	0.093	0.0002/0.05	PASS
LEAD	0.5 µg/g	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // MAR 11, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.70	N/A

