



Excelbis Labs
1920 E Warner Avenue
Santa Ana, CA 92705

(714) 340-7099
http://excelbislabs.com
Lic# C8-000059-LIC

HB - Blueberry - Manicured Flower

METRC Sample: 1A4060300065C85000022909; METRC Batch: 1A40603000608ED000007865

Sample ID: 2410EXL3521.15104	Produced:	Distributor	Producer
Strain: Blueberry	Collected: 10/30/2024	Highstar Distribution	Highstar, LLC
Matrix: Plant	Received: 10/31/2024	Lic. # C11-0001899-LIC	Lic. # CCL23-0000118
Type: Flower - Cured	Completed: 11/04/2024	4959 PATATA ST	4959 PATATA ST CUDAHY, CA 90201
Sample Size: 23 g; Batch: 6,511 g	Batch#: 092024BB	CUDAHY, CA 90201	



Summary

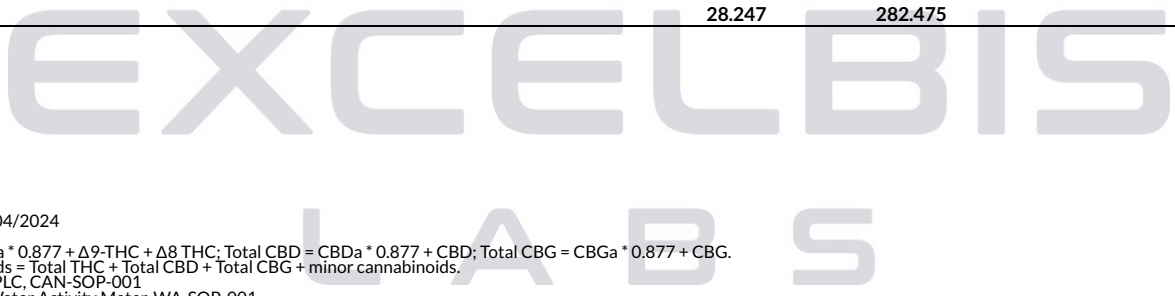
Test	Date Tested	Result
Batch		Pass
Cannabinoids	11/04/2024	Complete
Foreign Matter	10/31/2024	Pass
Heavy Metals	11/01/2024	Pass
Microbials	11/02/2024	Pass
Moisture	10/31/2024	14.8% - Complete
Mycotoxins	11/01/2024	Pass
GCMS Pesticides	11/04/2024	Pass
LCMS Pesticides	11/01/2024	Pass
Terpenes	11/01/2024	Complete
Water Activity	10/31/2024	0.51 aw - Pass

Cannabinoids

Complete

28.247% Total THC	ND Total CBD	28.247% Total Cannabinoids
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Analyte	LOD	LOQ	Result	Result
	mg/g	mg/g	%	mg/g
CBC	0.009	0.025	ND	ND
CBD	0.025	0.100	ND	ND
CBDa	0.019	0.050	ND	ND
CBG	0.019	0.050	ND	ND
CBN	0.009	0.050	ND	ND
Δ8-THC	0.025	0.100	ND	ND
Δ9-THC	0.019	0.100	0.5501	5.501
THCa	0.013	0.050	31.5820	315.820
THCV	0.025	0.100	ND	ND
Total THC			28.247	282.475
Total CBD			ND	ND
Total CBG			0.000	0.000
Total			28.247	282.475



Date Tested: 11/04/2024

Total THC = THCa * 0.877 + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD; Total CBG = CBGa * 0.877 + CBG.

Total Cannabinoids = Total THC + Total CBD + Total CBG + minor cannabinoids.

Cannabinoids: HPLC, CAN-SOP-001

Water Activity: Water Activity Meter, WA-SOP-001

Moisture Content: Moisture Analyzer, MO-SOP-001

Foreign Matter: Visual Inspection, FM-SOP-001



Dr. Jerry White PhD Bryan Zahakaylo

Jerry White, PhD
Chief Scientific Officer

Bryan Zahakaylo
Analyst

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GC Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
Captan	0.231	0.7	0.7	ND	Pass
Chlordane (trans + cis)	0.0116	0.035	0.0116	ND	Pass
Chlorfenapyr	0.0058	0.0175	0.0058	ND	Pass
Cyfluthrin	0.0231	0.07	2	ND	Pass
Cypermethrin	0.0231	0.07	1	ND	Pass
Parathion Methyl	0.0058	0.0175	0.0058	ND	Pass
Pentachloronitrobenzene (Quintozene)	0.0231	0.07	0.1	ND	Pass

Mycotoxins

Pass

Analytes	LOD	LOQ	Limit	Conc.	Status
	PPB	PPB	PPB	PPB	
Aflatoxin B1	1.7000	5.0000		ND	Tested
Aflatoxin B2	1.7000	5.0000		ND	Tested
Aflatoxin G1	1.7000	5.0000		ND	Tested
Aflatoxin G2	1.7000	5.0000		ND	Tested
Ochratoxin A	6.6000	20.0000	20	ND	Pass
Total Aflatoxins			20	ND	Pass

Microbials

Pass

Analyte	Limit	Detected / Not Detected	Status
	RFU/g	RFU/g	
Aspergillus flavus	0	Not Detected	Pass
Aspergillus fumigatus	0	Not Detected	Pass
Aspergillus niger	0	Not Detected	Pass
Aspergillus terreus	0	Not Detected	Pass
Shiga toxin-producing E. Coli	0	Not Detected	Pass
Salmonella SPP	0	Not Detected	Pass

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Conc.	Status
	PPM	PPM	PPM	PPM	
Arsenic	0.0150	0.05	0.2	ND	Pass
Cadmium	0.0113	0.05	0.2	ND	Pass
Lead	0.00615	0.05	0.5	ND	Pass
Mercury	0.00126	0.005	0.1	<LOQ	Pass

GCMS Date Tested: 11/04/2024
Pesticides: GC-MS/MS, GCMS Method GCP-SOP-001
LCMS Date Tested: 11/01/2024
Mycotoxins Footnote: Mycotoxins: LC-MS/MS, LCMS Method LCP-SOP-001
Microbial Date Tested: 11/02/2024
Microbials Footnote: Microbial: PCR-SOP-001
RFU = Relative Fluorescence Units
Heavy Metals Date Tested: 11/01/2024
Heavy Metals: Heavy Metals: ICP-MS, HM-SOP-001



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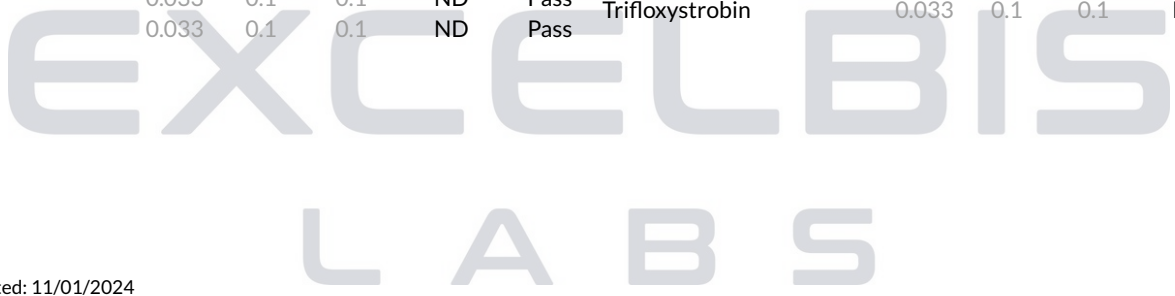
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LC Pesticides

Pass

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.033	0.1	0.1	ND	Pass	Imazalil	0.033	0.1	0.033	ND	Pass
Acephate	0.033	0.1	0.1	ND	Pass	Imidacloprid	0.033	0.1	5	ND	Pass
Acequinocyl	0.033	0.1	0.1	ND	Pass	Kresoxim Methyl	0.033	0.1	0.1	ND	Pass
Acetamiprid	0.033	0.1	0.1	ND	Pass	Malathion	0.033	0.1	0.5	ND	Pass
Aldicarb	0.033	0.1	0.033	ND	Pass	Metalaxyl	0.033	0.1	2	ND	Pass
Azoxystrobin	0.033	0.1	0.1	ND	Pass	Methiocarb	0.033	0.1	0.033	ND	Pass
Bifenazate	0.033	0.1	0.1	ND	Pass	Methomyl	0.033	0.1	1	ND	Pass
Bifenthrin	0.033	0.1	3	ND	Pass	Mevinphos	0.033	0.1	0.033	ND	Pass
Boscalid	0.033	0.1	0.1	ND	Pass	Myclobutanil	0.033	0.1	0.1	ND	Pass
Carbaryl	0.033	0.1	0.5	ND	Pass	Naled	0.033	0.1	0.1	ND	Pass
Carbofuran	0.033	0.1	0.033	ND	Pass	Oxamyl	0.033	0.1	0.5	ND	Pass
Chlorantraniliprole	0.033	0.1	10	ND	Pass	Pacllobutrazol	0.033	0.1	0.033	ND	Pass
Chlorpyrifos	0.033	0.1	0.033	ND	Pass	Permethrin (trans + cis)	0.033	0.1	0.5	ND	Pass
Clofentezine	0.033	0.1	0.1	ND	Pass	Phosmet	0.033	0.1	0.1	ND	Pass
Coumaphos	0.033	0.1	0.033	ND	Pass	Piperonyl Butoxide	0.033	0.1	3	ND	Pass
Daminozide	0.033	0.1	0.033	ND	Pass	Prallethrin	0.033	0.1	0.1	ND	Pass
Diazinon	0.1	0.1	0.1	ND	Pass	Propiconazole	0.033	0.1	0.1	ND	Pass
Dichlorvos	0.033	0.1	0.033	ND	Pass	Propoxur	0.033	0.1	0.033	ND	Pass
Dimethoate	0.033	0.1	0.033	ND	Pass	Pyrethrins (Cinerin + Jasmolin + Pyrethrin)	0.0133	0.04	0.5	ND	Pass
Dimethomorph (I + II)	0.033	0.1	2	ND	Pass	Pyridaben	0.033	0.1	0.1	ND	Pass
Ethoprophos	0.033	0.1	0.033	ND	Pass	Spinetoram (J + L)	0.033	0.1	0.1	ND	Pass
Etofenprox	0.033	0.1	0.033	ND	Pass	Spinosyn (A + D)	0.033	0.1	0.1	ND	Pass
Etoazole	0.033	0.1	0.1	ND	Pass	Spiromesifen	0.033	0.1	0.1	ND	Pass
Fenhexamid	0.033	0.1	0.1	ND	Pass	Spirotetramat	0.033	0.1	0.1	ND	Pass
Fenoxycarb	0.033	0.1	0.033	ND	Pass	Spiroxamine	0.033	0.1	0.033	ND	Pass
Fenpyroximate	0.033	0.1	0.1	ND	Pass	Tebuconazole	0.033	0.1	0.1	ND	Pass
Fipronil	0.033	0.1	0.033	ND	Pass	Thiacloprid	0.033	0.1	0.033	ND	Pass
Flonicamid	0.033	0.1	0.1	ND	Pass	Thiamethoxam	0.033	0.1	5	ND	Pass
Fludioxonil	0.033	0.1	0.1	ND	Pass	Trifloxystrobin	0.033	0.1	0.1	ND	Pass
Hexythiazox	0.033	0.1	0.1	ND	Pass						



LCMS Date Tested: 11/01/2024
Pesticides: LC-MS/MS. LCMS Method LCP-SOP-001



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Terpenes

Complete

Analyte	LOD	LOQ	Conc.	Conc.
	µg/g	µg/g	%	mg/g
α-Bisabolol	12.200000	97.600000	0.031204	0.31204
Camphene	1.525000	97.600000	0.015057	0.15057
3-Carene	1.525000	97.600000	ND	ND
β-Caryophyllene	24.400000	97.600000	0.124961	1.24961
Caryophyllene Oxide	24.400000	97.600000	ND	ND
p-Cymene	1.525000	97.600000	ND	ND
Eucalyptol	1.525000	97.600000	ND	ND
Geraniol	6.100000	97.600000	ND	ND
Guaiol	6.100000	97.600000	ND	ND
α-Humulene	3.050000	97.600000	0.063412	0.63412
Isopulegol	12.200000	97.600000	ND	ND
δ-Limonene	3.050000	97.600000	0.465684	4.65684
Linalool	3.050000	97.600000	0.196076	1.96076
β-Myrcene	1.525000	97.600000	0.043407	0.43407
cis-Nerolidol	48.800000	97.600000	ND	ND
trans-Nerolidol	6.100000	97.600000	<LOQ	<LOQ
β-Ocimene	1.525000	97.600000	ND	ND
α-Ocimene	1.525000	97.600000	<LOQ	<LOQ
β-Pinene	1.525000	97.600000	0.069989	0.69989
α-Pinene	1.525000	97.600000	0.047689	0.47689
γ-Terpinene	1.525000	97.600000	ND	ND
α-Terpinene	1.525000	97.600000	ND	ND
Terpinolene	1.525000	97.600000	<LOQ	<LOQ
Total			1.057478	10.57478

Primary Aromas


Chamomile


Sweet


Cinnamon


Hops


Lemon

Date Tested: 11/01/2024
Terpenes: HS-GC-MS



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