ACS LABORATORY | BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003

Live D9, Indica, Passionfruit, 20mg
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:
THE HEMP COLLECT
2014 SE 9th Ave
PORTLAND, OR 97214

Batch # 3032NC_071925
Batch Date: 2025-07-19
Extracted From: Hemp

Test Reg State: Oregon

Order # THE250730-010001
Order Date: 2025-07-30
Sample # AAGY553
Statement of Amendment: Merging reports

Sampling Date: 2025-07-31
Lab Batch Date: 2025-07-31
Orig. Completion Date: 2025-08-05

Initial Gross Weight: 80.700 g
Net Weight: 78.200 g

Number of Units: 1
Net Weight per Unit: 8000.000 mg

Product Image

Potency Tested
Terpenes Tested
Heavy Metals Passed
Mycotoxins Passed
Pesticides Passed
Residual Solvents Passed
Pathogenic Passed

Potency 10

Specimen Weight: 1529.100 mg

Tested
SOP13.001 (LCUV)

Pieces For Panel: 10

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	1.30E-5	0.015	2.610	0.261
CBN	1.40E-5	0.015	1.360	0.136
CBC	1.80E-5	0.015	0.660	0.066
CBD	5.40E-5	0.015	<LOQ	<LOQ
CBDA	1.00E-5	0.015	<LOQ	<LOQ
CBDV	6.50E-5	0.015	<LOQ	<LOQ
CBG	2.48E-4	0.015	<LOQ	<LOQ
CBGA	8.00E-5	0.015	<LOQ	<LOQ
THCA-A	3.20E-5	0.015	<LOQ	<LOQ
THCV	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD			<LOQ	<LOQ
Total Active THC			2.610	0.261

Potency Summary

Total Active THC: 0.261% / 20.880 mg	Total Active CBD: - / None Detected
Total CBG: - / None Detected	Total CBN: 0.136% / 10.880 mg
Total Cannabinoids: 0.463% / 37.040 mg	

Terpenes Summary

Analyte	Result (mg/g)	(%)

Total Terpenes: 0.000%

Detailed Terpenes Analysis is on the following page

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

ACCREDITED CERT #6786.01

DEA REGISTERED LABORATORY #RA0571996

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed – Analyte/microbe is not detected or is at the level below the action limit per OR rule OAR 333-007-0390, OAR 333-007-0400. Failed – Analyte/microbe is at the level that equal or above the action limit per OR rule OAR 333-007-0390, OAR 333-007-0400 Client supplied the net weight of mg The results apply to the sample as received. Revised report- see statement of amendment above.

QA By: 1150 on 2025-08-12 08:13:44 V2

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Live D9, Indica, Passionfruit, 20mg
Sample Matrix: CBD/HEMP Edibles (Ingestion)

Certificate of Analysis

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Order Date: 2025-07-30
Sample # AAGY553

Sampling Date: 2025-07-31
Lab Batch Date: 2025-07-31
Orig. Completion Date: 2025-08-05

Initial Gross Weight: 80.700 g
Net Weight: 78.200 g

Number of Units: 1
Net Weight per Unit: 8000.000 mg

Terpenes

Tested

Specimen Weight: 1526.200 mg

SOP13.045 (GC-MS/GC (Liquid Injection))

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(+)-Cedrol	0.002		<LOQ	Fenchyl Alcohol	0.002		<LOQ
(R)-(+)-Limonene	0.002		<LOQ	Gamma-Terpinene	0.002		<LOQ
3-Carene	0.002		<LOQ	Geraniol	0.002		<LOQ
alpha-Bisabolol	0.002		<LOQ	Geranyl acetate	0.002		<LOQ
alpha-Cedrene	0.002		<LOQ	Guaiol	0.002		<LOQ
alpha-Humulene	0.002		<LOQ	Hexahydrothymol	0.002		<LOQ
alpha-Phellandrene	0.002		<LOQ	Isoborneol	0.002		<LOQ
alpha-Pinene	0.002		<LOQ	Isopulegol	0.002		<LOQ
alpha-Terpinene	0.002		<LOQ	Linalool	0.002		<LOQ
beta-Myrcene	0.002		<LOQ	Nerol	0.002		<LOQ
beta-Pinene	0.002		<LOQ	Ocimene	0.00033		<LOQ
Borneol	0.004		<LOQ	Pulegone	0.002		<LOQ
Camphene	0.002		<LOQ	Sabinene	0.002		<LOQ
Camphors	0.006		<LOQ	Sabinene Hydrate	0.002		<LOQ
Caryophyllene oxide	0.002		<LOQ	Terpinolene	0.002		<LOQ
cis-Nerolidol	0.002		<LOQ	Total Terpineol	0.00126		<LOQ
Eucalyptol	0.002		<LOQ	trans-Caryophyllene	0.002		<LOQ
Farnesene	0.002		<LOQ	trans-Nerolidol	0.002		<LOQ
Fenchone	0.002		<LOQ	Valencene	0.002		<LOQ

Pathogenic SAE (qPCR)

Passed

Specimen Weight: 1019.500 mg

SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

ACCREDITED CERT #6786.01

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Initial Gross Weight: 80.700 g
Net Weight: 78.200 g

Number of Units: 1
Net Weight per Unit: 8000.000 mg

Heavy Metals

Passed

Specimen Weight: 252.400 mg

SOP13.048 (ICP-MS)

Dilution Factor: 198

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.830	100	1500	<LOQ	Lead (Pb)	11.760	100	500	<LOQ
Cadmium (Cd)	0.640	100	500	<LOQ	Mercury (Hg)	0.580	100	3000	<LOQ

Mycotoxins

Passed

Specimen Weight: 589.700 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

Residual Solvents - OR (CBD)

Passed

Specimen Weight: 16.000 mg

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	0.16	8	<LOQ	Heptane	0.001	1.39	5000	<LOQ
1,2-Dichloroethane	0.000	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.005	1.39	500	<LOQ
Acetonitrile	0.060	1.17	410	<LOQ	Methanol	0.001	0.69	3000	15.2
Benzene	0.000	0.02	2	<LOQ	Methylene chloride	0.003	2.43	600	<LOQ
Butanes	0.417	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.000	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.002	2.78	5000	<LOQ	Toluene	0.001	2.92	890	<LOQ
Ethyl Acetate	0.001	1.11	5000	<LOQ	Total Xylenes	0.000	2.92	2170	<LOQ
Ethyl Ether	0.005	1.39	5000	<LOQ	Trichloroethylene	0.001	0.49	80	<LOQ
Ethylene Oxide	0.004	0.1	5	<LOQ					

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Net Weight: 78.200 g

Number of Units: 1
Net Weight per Unit: 8000.000 mg

Pesticides

Specimen Weight: 589.700 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.288	28.23	300	<LOQ	Fludioxonil	1.740	48	3000	<LOQ
Acephate	0.023	30	3000	<LOQ	Hexythiazox	0.049	30	2000	<LOQ
Acequinocyl	9.564	48	2000	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	3000	<LOQ	Imidacloprid	0.094	30	3000	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	1000	<LOQ
Azoxystrobin	0.081	10	3000	<LOQ	Malathion	0.082	30	2000	<LOQ
Bifenazate	1.415	30	3000	<LOQ	Metalaxyl	0.081	10	3000	<LOQ
Bifenthrin	0.043	30	500	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	3000	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	3000	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	Myclobutanil	1.029	30	3000	<LOQ
Chlorantraniliprole	0.033	10	3000	<LOQ	Naled	0.095	30	500	<LOQ
Chlordane	10.000	10	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Paclobutrazol	0.065	30	100	<LOQ
Chlormequat Chloride	0.108	10	3000	<LOQ	Pentachloronitrobenzene	1.320	10	200	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Permethrin	0.343	30	1000	<LOQ
Clofentezine	0.119	30	500	<LOQ	Phosmet	0.082	30	200	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	1000	<LOQ	Prallethrin	0.798	30	400	<LOQ
Cypermethrin	1.449	30	1000	<LOQ	Propiconazole	0.070	30	1000	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	200	<LOQ	Pyrethrins	23.593	30	1000	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	3000	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	3000	<LOQ
Dimethomorph	5.830	48	3000	<LOQ	Spinosad	0.088	30	3000	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	3000	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	3000	<LOQ
Etoxazole	0.095	30	1500	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	3000	<LOQ	Tebuconazole	0.067	30	1000	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	2000	<LOQ	Thiamethoxam	0.050	30	1000	<LOQ
Fipronil	0.107	30	100	<LOQ	Trifloxystrobin	0.037	30	3000	<LOQ
Flonicamid	0.517	30	2000	<LOQ					

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

QA By: 1150 on 2025-08-12 08:13:44 V2

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-012252/D003.R000
Report Date: 11/14/2025
ORELAP#: OR100028
Purchase Order:
Received: 10/13/25 09:56

Customer: The Hemp Collect
2014 SE 9th Ave
Portland Oregon 97214
United States of America (USA)

Product identity: Live D9, Sativa, Mango, 20mg - Gummy
Metrc ID: .
Material: Cannabinoid Edible
Laboratory ID: 25-012252-0001
Evidence of Cooling: No
Temp: 20.2 °C
Lot #: 3031NC_100925
Serving Size #1: 8 g

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2507540 **Analyze:** 10/14/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
CBC	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBC-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBC-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBD[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBD-A[⊥]	0.0133	%	0.0070		1.06	mg/8g	0.56
CBD-Total[⊥]	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBDV	0.0433	%	0.0070		3.46	mg/8g	0.56
CBDV-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBDV-Total	0.0433	%	0.0131		3.46	mg/8g	1.05
CBE	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBG	0.0767	%	0.0070		6.14	mg/8g	0.56
CBG-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBG-Total	0.0767	%	0.0131		6.14	mg/8g	1.05
CBL	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBL-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBL-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBN	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBT	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-9R	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-9S	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-Total	< LOQ	%	0.0140		< LOQ	mg/8g	1.12
Δ8-THC[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ8-THCV	0.0155	%	0.0070		1.24	mg/8g	0.56
Δ9-THC[⊥]	0.267	%	0.0070		21.4	mg/8g	0.56
Δ9-THC-A[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THC-Total[⊥]	0.267	%	0.0132		21.4	mg/8g	1.05
Δ9-THCP	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THCV	0.0136	%	0.0070		1.09	mg/8g	0.56
Δ9-THCV-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THCV-Total	0.0136	%	0.0131		1.09	mg/8g	1.05

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-012252/D003.R000
Report Date: 11/14/2025
ORELAP#: OR100028
Purchase Order:
Received: 10/13/25 09:56

Potency

Method: J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2507540 **Analyze:** 10/14/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
exo-THC	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Total Cannabinoids	0.429	%			34.3	mg/8g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Salmonella spp. ⊥	Negative		/25g		2508111	11/05/25	AOAC 2020.02[þ]		
EHEC including STEC ⊥	Negative		/25g		2508112	11/05/25	AOAC 2020.06[þ]		

Solvents

Method: Residual Solvents by HS-GC-MS[þ] **Units** µg/g **Batch** 2508334 **Analyze:** 11/11/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane ⊥	< LOQ	380	100	pass		2-Butanol ⊥	< LOQ	5000	200	pass	
2-Ethoxyethanol ⊥	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) ⊥	< LOQ		200		
2-Methylpentane ⊥	< LOQ		30.0			2-Propanol (IPA) ⊥	< LOQ	5000	200	pass	
2,2-Dimethylbutane ⊥	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) ⊥	< LOQ		200		
2,3-Dimethylbutane ⊥	< LOQ		30.0			3-Methylpentane ⊥	< LOQ		30.0		
Acetone ⊥	< LOQ	5000	200	pass		Acetonitrile ⊥	< LOQ	410	100	pass	
Benzene ⊥	< LOQ	2.00	1.00	pass		Butanes (sum) ⊥	< LOQ	5000	400	pass	
Cyclohexane ⊥	< LOQ	3880	200	pass		Ethyl acetate ⊥	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether ⊥	< LOQ	5000	200	pass	
Ethylene glycol ⊥	< LOQ	620	200	pass		Ethylene oxide ⊥	< LOQ	50.0	20.0	pass	
Hexanes (sum) ⊥	< LOQ	290	150	pass		Isopropyl acetate ⊥	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) ⊥	< LOQ	70.0	30.0	pass		m,p-Xylene ⊥	< LOQ		200		
Methanol ⊥	< LOQ	3000	200	pass		Methylene chloride ⊥	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) ⊥	< LOQ		200			n-Butane ⊥	< LOQ		200		
n-Heptane ⊥	< LOQ	5000	200	pass		n-Hexane ⊥	< LOQ		30.0		
n-Pentane ⊥	< LOQ		200			o-Xylene ⊥	< LOQ		200		
Pentanes (sum) ⊥	< LOQ	5000	600	pass		Propane ⊥	< LOQ	5000	200	pass	
Tetrahydrofuran ⊥	< LOQ	720	100	pass		Toluene ⊥	< LOQ	890	100	pass	
Total Xylenes ⊥	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2508141 **Analyze:** 11/04/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin ⊥	< LOQ	0.50	0.250	pass		Acephate ⊥	< LOQ	0.40	0.200	pass	
Acequinocyl ⊥	< LOQ	2.0	1.00	pass		Acetamiprid ⊥	< LOQ	0.20	0.100	pass	
Aldicarb ⊥	< LOQ	0.40	0.200	pass		Azoxystrobin ⊥	< LOQ	0.20	0.100	pass	
Bifenazate ⊥	< LOQ	0.20	0.100	pass		Bifenthrin ⊥	< LOQ	0.20	0.100	pass	
Boscalid ⊥	< LOQ	0.40	0.200	pass		Carbaryl ⊥	< LOQ	0.20	0.100	pass	
Carbofuran ⊥	< LOQ	0.20	0.100	pass		Chlorantraniliprole ⊥	< LOQ	0.20	0.100	pass	
Chlorfenapyr ⊥	< LOQ	1.0	0.500	pass		Chlorpyrifos-ethyl ⊥	< LOQ	0.20	0.100	pass	
Clofentezine ⊥	< LOQ	0.20	0.100	pass		Cyfluthrin (sum) ⊥	< LOQ	1.0	0.500	pass	
Cypermethrin (sum) ⊥	< LOQ	1.0	0.500	pass		Daminozide ⊥	< LOQ	1.0	0.500	pass	

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-012252/D003.R000
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ORELAP#: OR100028
Purchase Order:
Received: 10/13/25 09:56

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2508141 **Analyze:** 11/04/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Diazinon ⊥	< LOQ	0.20	0.100	pass		Dichlorvos ⊥	< LOQ	1.0	0.500	pass	
Dimethoate ⊥	< LOQ	0.20	0.100	pass		Ethoprophos ⊥	< LOQ	0.20	0.100	pass	
Etofenprox ⊥	< LOQ	0.40	0.200	pass		Etoxazole ⊥	< LOQ	0.20	0.100	pass	
Fenoxycarb ⊥	< LOQ	0.20	0.100	pass		Fenpyroximate ⊥	< LOQ	0.40	0.200	pass	
Fipronil ⊥	< LOQ	0.40	0.200	pass		Flonicamid ⊥	< LOQ	1.0	0.400	pass	
Fludioxonil ⊥	< LOQ	0.40	0.200	pass		Hexythiazox ⊥	< LOQ	1.0	0.400	pass	
Imazalil ⊥	< LOQ	0.20	0.100	pass		Imidacloprid ⊥	< LOQ	0.40	0.200	pass	
Kresoxim-methyl ⊥	< LOQ	0.40	0.200	pass		Malathion ⊥	< LOQ	0.20	0.100	pass	
Metalaxyl ⊥	< LOQ	0.20	0.100	pass		Methiocarb ⊥	< LOQ	0.20	0.100	pass	
Methomyl ⊥	< LOQ	0.40	0.200	pass		MGK-264 ⊥	< LOQ	0.20	0.100	pass	
Myclobutanil ⊥	< LOQ	0.20	0.100	pass		Naled ⊥	< LOQ	0.50	0.250	pass	
Oxamyl ⊥	< LOQ	1.0	0.500	pass		Paclobutrazole ⊥	< LOQ	0.40	0.200	pass	
Parathion-methyl ⊥	< LOQ	0.20	0.100	pass		Permethrin ⊥	< LOQ	0.20	0.100	pass	
Phosmet ⊥	< LOQ	0.20	0.100	pass		Piperonyl butoxide ⊥	< LOQ	2.0	1.00	pass	
Prallethrin ⊥	< LOQ	0.20	0.100	pass		Propiconazole ⊥	< LOQ	0.40	0.200	pass	
Propoxur ⊥	< LOQ	0.20	0.100	pass		Pyrethrin I (total) ⊥	< LOQ	1.0	0.500	pass	
Pyridaben ⊥	< LOQ	0.20	0.100	pass		Spinosad ⊥	< LOQ	0.20	0.100	pass	
Spiromesifen ⊥	< LOQ	0.20	0.100	pass		Spirotetramat ⊥	< LOQ	0.20	0.100	pass	
Spiroxamine ⊥	< LOQ	0.40	0.200	pass		Tebuconazole ⊥	< LOQ	0.40	0.200	pass	
Thiacloprid ⊥	< LOQ	0.20	0.100	pass		Thiamethoxam ⊥	< LOQ	0.20	0.100	pass	
Trifloxystrobin ⊥	< LOQ	0.20	0.100	pass							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic ⊥	< LOQ	0.200	mg/kg	0.0179	2508207	11/05/25	AOAC 2013.06 (mod.)þ	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0179	2508207	11/05/25	AOAC 2013.06 (mod.)þ	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0179	2508207	11/05/25	AOAC 2013.06 (mod.)þ	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00896	2508207	11/05/25	AOAC 2013.06 (mod.)þ	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2508213	11/06/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2508213	11/06/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2508213	11/06/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2508213	11/06/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2508213	11/06/25	Mycotoxins by AOAC 2007.01þ	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		11/11/25	Mycotoxins by AOAC 2007.01þ	pass	

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A Tentamus Company

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Threshold Note: OAR 333-007-0400

þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

Units of Measure

/25g = Per 25g
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
% = Percentage of sample
mg/8g = Milligram per 8g
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
A Tentamus Company

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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

The-Hemp-Collect-1760112656

Company Details
Company: The Hemp Collect
Contact: Cris Kingsland
Street Address: 2014 SE 9th
City, State, Zip: Portland, OR 97214
Email: coas@thehempcollect.com
Contact Phone: 7707220962

Billing Information
Billing Email: accounting@thehempcollect.com

Project Details
Turnaround Time: 4 Business Days | Surcharges Apply
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)
Additional Comments for Project: after reviewing and passing potency we will want additional test as well. Thank You!

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Lot | Additional Sample ID	Material	Amount Provided	Reporting Unit	Serving Size	Testing
1	Live D9, Sativa, Mango, 20mg - Gummy	3031NC_100925	Cannabinoid Edible	64 g	mg/g & mg/serving	8 g	✓

Relinquished By	Date	Time
Cris Kingsland	10/10/2025	09:10

Received By	Date	Time	Received Temp., °C	IR Therm. CL#
dst	10/13/2025	09:56	20.20	CL-1243

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

P: (503) 254-1794
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Columbia LABORATORIES
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Received: 10/13/25 09:56

Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2507540**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0293	0.0295	%	99.4	80.0 - 120	Acceptable	
CBDV	2	0.0309	0.0310	%	99.5	80.0 - 120	Acceptable	
CBE	2	0.0337	0.0336	%	100	80.0 - 120	Acceptable	
CBDA	1	0.0281	0.0272	%	103	90.0 - 110	Acceptable	
CBGA	1	0.0311	0.0309	%	101	80.0 - 120	Acceptable	
CBG	1	0.0290	0.0289	%	100	80.0 - 120	Acceptable	
CBD	1	0.0280	0.0286	%	97.7	90.0 - 110	Acceptable	
THCV	2	0.0321	0.0318	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.0327	0.0320	%	102	80.0 - 120	Acceptable	
THCVA	2	0.0281	0.0280	%	100	80.0 - 120	Acceptable	
CBN	1	0.0295	0.0291	%	102	80.0 - 120	Acceptable	
exo-THC	2	0.0296	0.0292	%	101	80.0 - 120	Acceptable	
d9THC	1	0.0326	0.0312	%	104	90.0 - 110	Acceptable	
d8THC	1	0.0276	0.0287	%	96.1	90.0 - 110	Acceptable	
9S-d10THC	1	0.0321	0.0321	%	100	80.0 - 120	Acceptable	
CBL	2	0.0316	0.0303	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0315	0.0320	%	98.5	80.0 - 120	Acceptable	
CBC	2	0.0312	0.0320	%	97.5	80.0 - 120	Acceptable	
THCA	1	0.0333	0.0337	%	98.9	90.0 - 110	Acceptable	
CBCA	2	0.0298	0.0300	%	99.1	80.0 - 120	Acceptable	
CBLA	2	0.0292	0.0298	%	98.2	80.0 - 120	Acceptable	
d9THCP	2	0.0293	0.0292	%	100	80.0 - 120	Acceptable	
CBT	2	0.0311	0.0314	%	99.2	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBDV	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBE	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBDA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBGA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBG	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBD	<LOQ	0.00698	%	< 0.00698	Acceptable	
THCV	<LOQ	0.00698	%	< 0.00698	Acceptable	
d8THCV	<LOQ	0.00698	%	< 0.00698	Acceptable	
THCVA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBN	<LOQ	0.00698	%	< 0.00698	Acceptable	
exo-THC	<LOQ	0.00698	%	< 0.00698	Acceptable	
d9THC	<LOQ	0.00698	%	< 0.00698	Acceptable	
d8THC	<LOQ	0.00698	%	< 0.00698	Acceptable	
9S-d10THC	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBL	<LOQ	0.00698	%	< 0.00698	Acceptable	
9R-d10THC	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBC	<LOQ	0.00698	%	< 0.00698	Acceptable	
THCA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBCA	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBLA	<LOQ	0.00698	%	< 0.00698	Acceptable	
d9THCP	<LOQ	0.00698	%	< 0.00698	Acceptable	
CBT	<LOQ	0.00698	%	< 0.00698	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2507540**

Sample Duplicate Sample ID: **25-012050-0005-01**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBG	0.282	0.279	0.00707	%	0.798	< 20	Acceptable	
CBD	0.267	0.267	0.00707	%	0.222	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d9THC	0.284	0.281	0.00707	%	0.914	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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503-254-1794

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ORELAP#: OR100028
Purchase Order:
Received: 10/13/25 09:56

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2508334

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,1-Dichloroethane	ND	<	1		0.881	1	µg/g	88.1	50-150	
1,2-Dichloroethene, trans-	ND	<	1		0.907	1	µg/g	90.7	50-150	
1,2-Dichloroethene,cis-	ND	<	1		0.881	1	µg/g	88.1	50-150	
1,4-Dioxane	ND	<	100		446	509	µg/g	87.6	60-120	
1-Pentanol	ND	<	500		1280	1660	µg/g	77.1	50-150	
1-Propanol	ND	<	500		1370	1690	µg/g	81.1	50-150	
2,2-Dimethylbutane	ND	<	30		151	188	µg/g	80.3	60-120	
2,2-Dimethylpropane	ND	<	200		976	956	µg/g	102.1	60-120	
2,3-Dimethylbutane	ND	<	30		156	188	µg/g	83.0	60-120	
2-Butanol	ND	<	200		1360	1640	µg/g	82.9	60-120	
2-Ethoxyethanol	ND	<	30		140	188	µg/g	74.5	60-120	
2-Methylbutane	ND	<	200		1340	1660	µg/g	80.7	60-120	
2-Methylpentane	ND	<	30		170	189	µg/g	89.9	60-120	
2-Propanol	ND	<	200		1430	1680	µg/g	85.1	60-120	
3-Methylpentane	ND	<	30		160	188	µg/g	85.1	60-120	
Acetone	ND	<	200		1360	1670	µg/g	81.4	60-120	
Acetonitrile	ND	<	100		415	511	µg/g	81.2	60-120	
Anisole	ND	<	500		1390	1680	µg/g	82.7	50-150	
Benzene	ND	<	1		0.789	1	µg/g	78.9	50-150	
Butane	ND	<	200		702	769	µg/g	91.3	60-120	
Chloroform	ND	<	1		0.849	1	µg/g	84.9	50-150	
Cumene	ND	<	30		164	192	µg/g	85.4	60-120	
Cyclohexane	ND	<	200		1430	1650	µg/g	86.7	60-120	
Dichloromethane	ND	<	1		0.898	1	µg/g	89.8	50-150	
Ethanol	ND	<	200		1380	1650	µg/g	83.6	60-120	
Ethyl acetate	ND	<	200		1360	1630	µg/g	83.4	60-120	
Ethyl Ether	ND	<	200		1390	1630	µg/g	85.3	60-120	
Ethylbenzene	ND	<	200		896	996	µg/g	90.0	60-120	
Ethylene Glycol	ND	<	200		341	520	µg/g	65.6	60-120	
Ethylene Oxide	ND	<	1		0.964	1	µg/g	96.4	50-150	
Heptane	ND	<	200		1240	1630	µg/g	76.1	60-120	
Hexane	ND	<	30		160	191	µg/g	83.8	60-120	
Isobutane	ND	<	200		695	770	µg/g	90.3	60-120	
Isopropyl Acetate	ND	<	200		1270	1660	µg/g	76.5	60-120	
m,p-Xylene	ND	<	200		943	1030	µg/g	91.6	60-120	
Methanol	ND	<	200		1330	1660	µg/g	80.1	60-120	
Methyl Acetate	ND	<	500		1400	1650	µg/g	84.8	50-150	
Methylethylketone	ND	<	500		1450	1650	µg/g	87.9	50-150	
Methylisobutylketone	ND	<	500		1320	1660	µg/g	79.5	50-150	
N,N-dimethylformamide	ND	<	150		514	532	µg/g	96.6	50-150	
o-Xylene	ND	<	200		863	996	µg/g	86.6	60-120	
Pentane	ND	<	200		1330	1630	µg/g	81.6	60-120	
Propane	ND	<	200		515	585	µg/g	88.0	60-120	
Pyridine	ND	<	50		199	204	µg/g	97.5	50-150	
Tetrahydrofuran	ND	<	100		452	519	µg/g	87.1	60-120	
Toluene	ND	<	100		455	518	µg/g	87.8	60-120	
Trichloroethylene	ND	<	1		1.07	1	µg/g	107.0	50-150	
Triethylamine	ND	<	500		1520	1620	µg/g	93.8	50-150	

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Purchase Order:
Received: 10/13/25 09:56

QC - Sample Duplicate **Sample ID: 25-012252-0001**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene,cis-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

µg/g- Microgram per gram or ppm

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number:	25-012252/D003.R000
Report Date:	11/14/2025
ORELAP#:	OR100028
Purchase Order:	
Received:	10/13/25 09:56

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-012252/D003.R000
Report Date: 11/14/2025
ORELAP#: OR100028
Purchase Order:
Received: 10/13/25 09:56

Explanation of QC Flag Comments:

Code	Explanation
A	This analysis was performed on a VOA sample containing headspace.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.
B3	Dilution water blank of BOD was above the recommended limit; associated samples could be high biased.
CP	Client provided value.
CV	Calculated value.
E	Analyte concentration exceeds the calibration range, results are estimated.
E1	Estimated value.
E2	Estimated value. Matrix interference observed.
H	Holding time was exceeded.
J	Estimated value, above the detection limit and below the LOQ
I	Insufficient sample received to meet method requirements.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
LOQ3	< LOQ could be due to potential inhibition.
N1	See case narrative
P	Not preserved to the proper pH
P1	Storage temperature out of control
P2	Incubator temperature out of control
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
Q7	Quality control outside QC limits.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
RE	Re-extracted and/or re-analyzed.
REH	The original analysis was within holding time; re-analysis past holding time.
S	Surrogate recovery outside control limit.
T	Tentatively Identified Compound (TIC) by library search.
T1	Confirmed by secondary ion
W	Results are reported on dry weight basis.

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KDA Lic.# P_0058

Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Summary

Test	Date Tested	Status
Cannabinoids	06/20/2025	Tested
Foreign Matter	06/26/2025	Tested
Heavy Metals	06/27/2025	Passed
Microbials	06/27/2025	Passed
Mycotoxins	06/26/2025	Passed
Pesticides	06/26/2025	Passed
Residual Solvents	06/30/2025	Passed

0.241 %	**0.241 %**	**0.392 %**	**Not Tested**	**Not Detected**	**Yes**
Total Δ9-THC	Δ9-THC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	<LOQ	<LOQ
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	0.00310	0.248
CBDA	0.00043	0.0013	0.0102	0.816
CBDV	0.00061	0.00182	0.0382	3.06
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	0.0701	5.61
CBGA	0.00049	0.00147	<LOQ	<LOQ
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.00287	0.230
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	<LOQ	<LOQ
Δ8-THC	0.00104	0.00312	ND	ND
Δ9-THC	0.00076	0.00227	0.241	19.3
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	0.0263	2.10
Δ9-THCVA	0.00062	0.00186	ND	ND
Total Δ9-THC			**0.241**	**19.3**
Total			**0.392**	**31.4**

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Nicholas Howard
Scientist
Date: 06/20/2025

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Nicholasville, KY 40356

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Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Arsenic	0.002	0.02	ND	P
Cadmium	0.001	0.02	ND	P
Lead	0.002	0.02	<LOQ	P
Mercury	0.012	0.05	ND	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Chris Farman
Scientist
Date: 06/27/2025

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Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
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Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
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Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Abamectin	30	100	ND	P	Hexythiazox	30	100	ND	P
Acephate	30	100	ND	P	Imazalil	30	100	ND	P
Acetamiprid	30	100	ND	P	Imidacloprid	30	100	ND	P
Aldicarb	30	100	ND	P	Kresoxim methyl	30	100	ND	P
Azoxystrobin	30	100	ND	P	Malathion	30	100	ND	P
Bifenazate	30	100	ND	P	Metalaxyl	30	100	ND	P
Bifenthrin	30	100	ND	P	Methiocarb	30	100	ND	P
Boscalid	30	100	ND	P	Methomyl	30	100	ND	P
Carbaryl	30	100	ND	P	Mevinphos	30	100	ND	P
Carbofuran	30	100	ND	P	Myclobutanil	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Naled	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Oxamyl	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Paclobutrazol	30	100	ND	P
Clofentezine	30	100	ND	P	Permethrin	30	100	ND	P
Coumaphos	30	100	ND	P	Phosmet	30	100	ND	P
Daminozide	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Diazinon	30	100	ND	P	Propiconazole	30	100	ND	P
Dichlorvos	30	100	ND	P	Propoxur	30	100	ND	P
Dimethoate	30	100	ND	P	Pyrethrins	30	100	ND	P
Dimethomorph	30	100	ND	P	Pyridaben	30	100	ND	P
Ethoprophos	30	100	ND	P	Spinetoram	30	100	ND	P
Etofenprox	30	100	ND	P	Spinosad	30	100	ND	P
Etoxazole	30	100	ND	P	Spiromesifen	30	100	ND	P
Fenhexamid	30	100	ND	P	Spirotetramat	30	100	ND	P
Fenoxycarb	30	100	ND	P	Spiroxamine	30	100	ND	P
Fenpyroximate	30	100	ND	P	Tebuconazole	30	100	ND	P
Fipronil	30	100	ND	P	Thiacloprid	30	100	ND	P
Flonicamid	30	100	ND	P	Thiamethoxam	30	100	ND	P
Fludioxonil	30	100	ND	P	Trifloxystrobin	30	100	ND	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Anthony Mattingly
Scientist
Date: 06/26/2025

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Certificate of Analysis

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Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
B1	1	5	ND	P
B2	1	5	ND	P
G1	1	5	ND	P
G2	1	5	ND	P
Ochratoxin A	1	5	ND	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Anthony Mattingly
Scientist
Date: 06/26/2025

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Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
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USA
Lic. #: AG-R1089482IHH

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)	P/F
Total aerobic count	10	ND		P
Total coliforms	10	ND		P
Generic E. coli	10	ND		P
Salmonella spp.	1		Not Detected per 1 gram	P
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Natalia Wright
Laboratory Technician
Date: 06/27/2025

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Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	P	Ethylene Oxide	0.5	1	ND	P
Acetonitrile	14	41	ND	P	Heptane	167	500	ND	P
Benzene	0.5	1	ND	P	n-Hexane	10	29	ND	P
Butane	167	500	ND	P	Isobutane	167	500	ND	P
1-Butanol	167	500	ND	P	Isopropyl Acetate	167	500	ND	P
2-Butanol	167	500	ND	P	Isopropyl Alcohol	167	500	ND	P
2-Butanone	167	500	ND	P	Isopropylbenzene	167	500	ND	P
Chloroform	2	6	ND	P	Methanol	100	300	ND	P
Cyclohexane	129	388	ND	P	2-Methylbutane	10	29	ND	P
1,2-Dichloroethane	0.5	1	ND	P	Methylene Chloride	20	60	ND	P
1,2-Dimethoxyethane	4	10	ND	P	2-Methylpentane	10	29	ND	P
Dimethyl Sulfoxide	167	500	ND	P	3-Methylpentane	10	29	ND	P
N,N-Dimethylacetamide	37	109	ND	P	n-Pentane	167	500	ND	P
2,2-Dimethylbutane	10	29	ND	P	1-Pentanol	167	500	ND	P
2,3-Dimethylbutane	10	29	ND	P	n-Propane	167	500	ND	P
N,N-Dimethylformamide	30	88	ND	P	1-Propanol	167	500	ND	P
2,2-Dimethylpropane	167	500	ND	P	Pyridine	7	20	ND	P
1,4-Dioxane	13	38	ND	P	Tetrahydrofuran	24	72	ND	P
Ethanol	167	500	ND	P	Toluene	30	89	ND	P
2-Ethoxyethanol	6	16	ND	P	Trichloroethylene	3	8	ND	P
Ethyl Acetate	167	500	ND	P	Xylenes (o-, m-, and p-)	73	217	ND	P
Ethyl Ether	167	500	ND	P					
Ethylbenzene	3	7	ND	P					

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 06/30/2025

Tested By: Kelsey Rogers
Scientist
Date: 06/30/2025

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Certificate of Analysis

Live D9, Sativa, Strawberry Rhubarb, 20mg

Sample ID: SA-250615-63584
Batch: 3029.2NC_061425
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.00468

Collected: 06/14/2025
Received: 06/18/2025
Completed: 06/30/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Arsenic	1.5	Lead	0.5
Cadmium	0.5	Mercury	1.5

Microbials -

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	10000

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
2,3-Dimethylbutane	290	n-Propane	5000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	890
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	5000	Xylenes (o-, m-, and p-)	2170
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acetamiprid	5000	Imidacloprid	3000
Aldicarb	30	Kresoxim methyl	1000
Azoxystrobin	40000	Malathion	5000
Bifenazate	5000	Metalaxyl	15000
Bifenthrin	500	Methiocarb	30
Boscalid	10000	Methomyl	100
Carbaryl	500	Mevinphos	30
Carbofuran	30	Myclobutanil	9000
Chloranthraniliprole	40000	Naled	500
Chlorfenapyr	30	Oxamyl	200
Chlorpyrifos	30	Paclobutrazol	30
Clofentezine	500	Permethrin	20000
Coumaphos	30	Phosmet	200
Daminozide	30	Piperonyl Butoxide	8000
Diazinon	200	Propiconazole	20000
Dichlorvos	30	Propoxur	30
Dimethoate	30	Pyrethrins	1000
Dimethomorph	20000	Pyridaben	3000
Ethoprophos	30	Spinetoram	3000
Etofenprox	30	Spinosad	3000
Etoxazole	1500	Spiromesifen	12000
Fenhexamid	10000	Spirotetramat	13000
Fenoxycarb	30	Spiroxamine	30
Fenpyroximate	2000	Tebuconazole	2000
Fipronil	30	Thiacloprid	30
Flonicamid	2000	Thiamethoxam	4500
Fludioxonil	30000	Trifloxystrobin	30000

Mycotoxins - Colorado CDPHE

Analyte	Limit (ppb)	Analyte	Limit (ppb)
B1	5	B2	5
G1	5	G2	5
Ochratoxin A	5		

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-011020/D005.R000
Report Date: 10/01/2025
ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Customer: The Hemp Collect
2014 SE 9th Ave
Portland Oregon 97214
United States of America (USA)

Product identity: Live D9 Gummy, Hybrid, Sour Apple, 20mg
Metrc ID: .
Material: Cannabinoid Edible
Laboratory ID: 25-011020-0001
Evidence of Cooling: No
Temp: 22.8 °C
Lot #: 3008.2NC_091525
Serving Size #1: 8 g

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2506792 **Analyze:** 09/18/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
CBC	0.0721	%	0.0076		5.77	mg/8g	0.61
CBC-A	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBC-Total	0.0721	%	0.0143		5.77	mg/8g	1.14
CBD[⊥]	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBD-A[⊥]	0.0106	%	0.0076		0.849	mg/8g	0.61
CBD-Total[⊥]	< LOQ	%	0.0143		< LOQ	mg/8g	1.14
CBDV	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBDV-A	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBDV-Total	< LOQ	%	0.0142		< LOQ	mg/8g	1.14
CBE	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBG	0.00993	%	0.0076		0.794	mg/8g	0.61
CBG-A	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBG-Total	< LOQ	%	0.0142		< LOQ	mg/8g	1.14
CBL	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBL-A	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBL-Total	< LOQ	%	0.0143		< LOQ	mg/8g	1.14
CBN	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
CBT	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ10-THC-9R	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ10-THC-9S	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ10-THC-Total	< LOQ	%	0.0152		< LOQ	mg/8g	1.22
Δ8-THC[⊥]	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ8-THCV	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ9-THC[⊥]	0.269	%	0.0076		21.5	mg/8g	0.61
Δ9-THC-A[⊥]	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ9-THC-Total[⊥]	0.269	%	0.0143		21.5	mg/8g	1.14
Δ9-THCP	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ9-THCV	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ9-THCV-A	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Δ9-THCV-Total	< LOQ	%	0.0142		< LOQ	mg/8g	1.14

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-011020/D005.R000
Report Date: 10/01/2025
ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Potency

Method: J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2506792 **Analyze:** 09/18/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
exo-THC	< LOQ	%	0.0076		< LOQ	mg/8g	0.61
Total Cannabinoids	0.362	%			29.0	mg/8g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Salmonella spp. ⊥	Negative		/25g		2506938	09/25/25	AOAC 2020.02[þ]		
EHEC including STEC ⊥	Negative		/25g		2506939	09/25/25	AOAC 2020.06[þ]		

Solvents

Method: Residual Solvents by HS-GC-MS[þ] **Units** µg/g **Batch** 2507067 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane ⊥	< LOQ	380	100	pass		2-Butanol ⊥	< LOQ	5000	200	pass	
2-Ethoxyethanol ⊥	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) ⊥	< LOQ		200		
2-Methylpentane ⊥	< LOQ		30.0			2-Propanol (IPA) ⊥	< LOQ	5000	200	pass	
2,2-Dimethylbutane ⊥	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) ⊥	< LOQ		200		
2,3-Dimethylbutane ⊥	< LOQ		30.0			3-Methylpentane ⊥	< LOQ		30.0		
Acetone ⊥	< LOQ	5000	200	pass		Acetonitrile ⊥	< LOQ	410	100	pass	
Benzene ⊥	< LOQ	2.00	1.00	pass		Butanes (sum) ⊥	< LOQ	5000	400	pass	
Cyclohexane ⊥	< LOQ	3880	200	pass		Ethyl acetate ⊥	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether ⊥	< LOQ	5000	200	pass	
Ethylene glycol ⊥	< LOQ	620	200	pass		Ethylene oxide ⊥	< LOQ	50.0	20.0	pass	
Hexanes (sum) ⊥	< LOQ	290	150	pass		Isopropyl acetate ⊥	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) ⊥	< LOQ	70.0	30.0	pass		m,p-Xylene ⊥	< LOQ		200		
Methanol ⊥	< LOQ	3000	200	pass		Methylene chloride ⊥	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) ⊥	< LOQ		200			n-Butane ⊥	< LOQ		200		
n-Heptane ⊥	< LOQ	5000	200	pass		n-Hexane ⊥	< LOQ		30.0		
n-Pentane ⊥	< LOQ		200			o-Xylene ⊥	< LOQ		200		
Pentanes (sum) ⊥	< LOQ	5000	600	pass		Propane ⊥	< LOQ	5000	200	pass	
Tetrahydrofuran ⊥	< LOQ	720	100	pass		Toluene ⊥	< LOQ	890	100	pass	
Total Xylenes ⊥	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507062 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin ⊥	< LOQ	0.50	0.250	pass		Acephate ⊥	< LOQ	0.40	0.200	pass	
Acequinocyl ⊥	< LOQ	2.0	1.00	pass		Acetamiprid ⊥	< LOQ	0.20	0.100	pass	
Aldicarb ⊥	< LOQ	0.40	0.200	pass		Azoxystrobin ⊥	< LOQ	0.20	0.100	pass	
Bifenazate ⊥	< LOQ	0.20	0.100	pass		Bifenthrin ⊥	< LOQ	0.20	0.100	pass	
Boscalid ⊥	< LOQ	0.40	0.200	pass		Carbaryl ⊥	< LOQ	0.20	0.100	pass	
Carbofuran ⊥	< LOQ	0.20	0.100	pass		Chlorantraniliprole ⊥	< LOQ	0.20	0.100	pass	
Chlorfenapyr ⊥	< LOQ	1.0	0.500	pass		Chlorpyrifos-ethyl ⊥	< LOQ	0.20	0.100	pass	
Clofentezine ⊥	< LOQ	0.20	0.100	pass		Cyfluthrin (sum) ⊥	< LOQ	1.0	0.500	pass	
Cypermethrin (sum) ⊥	< LOQ	1.0	0.500	pass		Daminozide ⊥	< LOQ	1.0	0.500	pass	

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Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507062 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Diazinon ⊥	< LOQ	0.20	0.100	pass		Dichlorvos ⊥	< LOQ	1.0	0.500	pass	
Dimethoate ⊥	< LOQ	0.20	0.100	pass		Ethoprophos ⊥	< LOQ	0.20	0.100	pass	
Etofenprox ⊥	< LOQ	0.40	0.200	pass		Etoxazole ⊥	< LOQ	0.20	0.100	pass	
Fenoxycarb ⊥	< LOQ	0.20	0.100	pass		Fenpyroximate ⊥	< LOQ	0.40	0.200	pass	
Fipronil ⊥	< LOQ	0.40	0.200	pass		Flonicamid ⊥	< LOQ	1.0	0.400	pass	
Fludioxonil ⊥	< LOQ	0.40	0.200	pass		Hexythiazox ⊥	< LOQ	1.0	0.400	pass	
Imazalil ⊥	< LOQ	0.20	0.100	pass		Imidacloprid ⊥	< LOQ	0.40	0.200	pass	
Kresoxim-methyl ⊥	< LOQ	0.40	0.200	pass		Malathion ⊥	< LOQ	0.20	0.100	pass	
Metalaxyl ⊥	< LOQ	0.20	0.100	pass		Methiocarb ⊥	< LOQ	0.20	0.100	pass	
Methomyl ⊥	< LOQ	0.40	0.200	pass		MGK-264 ⊥	< LOQ	0.20	0.100	pass	
Myclobutanil ⊥	< LOQ	0.20	0.100	pass		Naled ⊥	< LOQ	0.50	0.250	pass	
Oxamyl ⊥	< LOQ	1.0	0.500	pass		Paclobutrazole ⊥	< LOQ	0.40	0.200	pass	
Parathion-methyl ⊥	< LOQ	0.20	0.100	pass		Permethrin ⊥	< LOQ	0.20	0.100	pass	
Phosmet ⊥	< LOQ	0.20	0.100	pass		Piperonyl butoxide ⊥	< LOQ	2.0	1.00	pass	
Prallethrin ⊥	< LOQ	0.20	0.100	pass		Propiconazole ⊥	< LOQ	0.40	0.200	pass	
Propoxur ⊥	< LOQ	0.20	0.100	pass		Pyrethrin I (total) ⊥	< LOQ	1.0	0.500	pass	
Pyridaben ⊥	< LOQ	0.20	0.100	pass		Spinosad ⊥	< LOQ	0.20	0.100	pass	
Spiromesifen ⊥	< LOQ	0.20	0.100	pass		Spirotetramat ⊥	< LOQ	0.20	0.100	pass	
Spiroxamine ⊥	< LOQ	0.40	0.200	pass		Tebuconazole ⊥	< LOQ	0.40	0.200	pass	
Thiacloprid ⊥	< LOQ	0.20	0.100	pass		Thiamethoxam ⊥	< LOQ	0.20	0.100	pass	
Trifloxystrobin ⊥	< LOQ	0.20	0.100	pass							

Terpenes

Method: J AOAC 2015 V98-6ᵇ **Units** % **Batch** 2507137 **Analyze:** 09/30/25

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(-)-a-Terpineol	< LOQ	0.018	0.00%		nerol	< LOQ	0.018	0.00%	
(+)-Pulegone	< LOQ	0.018	0.00%		(+)-fenchol	< LOQ	0.018	0.00%	
Geranyl acetate	< LOQ	0.018	0.00%		Linalool	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol	< LOQ	0.018	0.00%		Menthol	< LOQ	0.018	0.00%	
a-cedrene	< LOQ	0.018	0.00%		Humulene	< LOQ	0.018	0.00%	
trans-ß-Ocimene	< LOQ	0.012	0.00%		p-Cymene	< LOQ	0.018	0.00%	
(-)-Guaiol	< LOQ	0.018	0.00%		Sabinene	< LOQ	0.018	0.00%	
a-Bisabolol	< LOQ	0.018	0.00%		Camphene	< LOQ	0.018	0.00%	
(+)-Cedrol	< LOQ	0.018	0.00%		(-)-caryophyllene oxide	< LOQ	0.018	0.00%	
(-)-Isopulegol	< LOQ	0.018	0.00%		(-)-ß-Pinene	< LOQ	0.018	0.00%	
(+)-Borneol	< LOQ	0.018	0.00%		(±)-Camphor	< LOQ	0.018	0.00%	
(±)-fenchone	< LOQ	0.018	0.00%		(±)-trans-Nerolidol	< LOQ	0.018	0.00%	
(R)-(+)-Limonene	< LOQ	0.018	0.00%		a-phellandrene	< LOQ	0.018	0.00%	
a-pinene	< LOQ	0.018	0.00%		a-Terpinene	< LOQ	0.018	0.00%	
cis-ß-Ocimene	< LOQ	0.006	0.00%		d-3-Carene	< LOQ	0.018	0.00%	
Eucalyptol	< LOQ	0.018	0.00%		farnesene	< LOQ	0.018	0.00%	
gamma-Terpinene	< LOQ	0.018	0.00%		Geraniol	< LOQ	0.018	0.00%	
Isoborneol	< LOQ	0.018	0.00%		Sabinene hydrate	< LOQ	0.018	0.00%	
ß-Caryophyllene	< LOQ	0.018	0.00%		ß-Myrcene	< LOQ	0.018	0.00%	
Terpinolene	< LOQ	0.018	0.00%		valencene	< LOQ	0.018	0.00%	
Total Terpenes	**< LOQ**								

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic ⊥	< LOQ	0.200	mg/kg	0.0172	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0172	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0172	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00858	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01þ	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		10/01/25	Mycotoxins by AOAC 2007.01þ	pass	

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Threshold Note: OAR 333-007-0400

þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

Units of Measure

/25g = Per 25g
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
% = Percentage of sample
mg/8g = Milligram per 8g
% wt = µg/g divided by 10,000

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A Tentamus Company

Hemp & Cannabis
Chain of Custody

The-Hemp-Collect-1758053074

Company Details
Company: The Hemp Collect
Contact: Brooke McKenzie
Street Address: 2014 SE 9th Ave
City, State, Zip:Portland, OR 97214
Email: Coas@thehempcollect.com
Contact Phone: 7707220962

Billing Information
Billing Email: accounting@thehempcollect.com

Project Details
Turnaround Time: 4 Business Days | Surcharges Apply
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Lot	Additional Sample ID	Material	METRC Sample Package ID	Amount Provided	Reporting Unit	Specifications	Additional Test Requests and Sample Comments	Testing
1	Live D9 Gummy, Hybrid, Sour Apple, 20mg	3008.2NC_091525		Cannabinoid Edible	N/A	64 g	mg/g	mg/8g Gummy	Additional compliance testing will be added after reviewing potency.	✓
2	Live D9 Gummy, Hybrid, Sour Watermelon, 20mg	3030NC_091525		Cannabinoid Edible	N/A	64 g	mg/g	mg/8g Gummy	Additional compliance testing will be added after reviewing potency.	✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#
	09/16/2025	13:04	dst	09/17/2025	09:52	22.80	CL-1243

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2506792**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0284	0.0280	%	101	80.0 - 120	Acceptable	
CBDV	2	0.0291	0.0286	%	102	80.0 - 120	Acceptable	
CBE	2	0.0331	0.0324	%	102	80.0 - 120	Acceptable	
CBDA	1	0.0277	0.0268	%	103	90.0 - 110	Acceptable	
CBGA	1	0.0304	0.0305	%	99.7	80.0 - 120	Acceptable	
CBG	1	0.0285	0.0280	%	102	80.0 - 120	Acceptable	
CBD	1	0.0278	0.0276	%	101	90.0 - 110	Acceptable	
THCV	2	0.0303	0.0302	%	100	80.0 - 120	Acceptable	
d8THCV	2	0.0307	0.0306	%	100	80.0 - 120	Acceptable	
THCVA	2	0.0277	0.0270	%	103	80.0 - 120	Acceptable	
CBN	1	0.0283	0.0282	%	100	80.0 - 120	Acceptable	
exo-THC	2	0.0280	0.0279	%	100	80.0 - 120	Acceptable	
d9THC	1	0.0301	0.0294	%	102	90.0 - 110	Acceptable	
d8THC	1	0.0285	0.0291	%	97.7	90.0 - 110	Acceptable	
9S-d10THC	1	0.0314	0.0312	%	101	80.0 - 120	Acceptable	
CBL	2	0.0296	0.0284	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0294	0.0311	%	94.3	80.0 - 120	Acceptable	
CBC	2	0.0295	0.0295	%	99.8	80.0 - 120	Acceptable	
THCA	1	0.0306	0.0328	%	93.2	90.0 - 110	Acceptable	
CBCA	2	0.0292	0.0289	%	101	80.0 - 120	Acceptable	
CBLA	2	0.0300	0.0292	%	103	80.0 - 120	Acceptable	
d9THCP	2	0.0291	0.0282	%	103	80.0 - 120	Acceptable	
CBT	2	0.0289	0.0287	%	101	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBDV	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBE	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBDA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBGA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBG	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBD	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCV	<LOQ	0.00757	%	< 0.00757	Acceptable	
d8THCV	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCVA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBN	<LOQ	0.00757	%	< 0.00757	Acceptable	
exo-THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
d9THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
d8THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
9S-d10THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBL	<LOQ	0.00757	%	< 0.00757	Acceptable	
9R-d10THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBC	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBCA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBLA	<LOQ	0.00757	%	< 0.00757	Acceptable	
d9THCP	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBT	<LOQ	0.00757	%	< 0.00757	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2506792**

Sample Duplicate Sample ID: **25-011018-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBDA	0.0639	0.0647	0.00760	%	1.37	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBD	0.172	0.173	0.00760	%	0.458	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

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Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2507062

Method Blank				Laboratory Control Sample					
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**		**Notes**
Abamectin	0.000	< 0.250		0.918	1.000	91.8	50.0	150	
Acephate	0.000	< 0.200		0.703	0.800	87.9	60.0	120	
Acequinocyl	0.029	< 1.000		2.456	4.000	61.4	40.0	160	
Acetamiprid	0.000	< 0.100		0.355	0.400	88.8	60.0	120	
Aldicarb	0.000	< 0.200		0.695	0.800	86.9	60.0	120	
Azoxystrobin	0.006	< 0.100		0.330	0.400	82.6	60.0	120	
Bifenazate	0.000	< 0.100		0.382	0.400	95.5	60.0	120	
Bifenthrin	0.000	< 0.100		0.309	0.400	77.3	50.0	150	
Boscalid	0.000	< 0.200		0.721	0.800	90.1	60.0	120	
Carbaryl	0.000	< 0.100		0.348	0.400	86.9	60.0	120	
Carbofuran	0.000	< 0.100		0.357	0.400	89.3	60.0	120	
Chlorantraniliprole	0.000	< 0.100		0.364	0.400	91.1	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.513	2.000	75.7	60.0	120	
Chlorpyrifos	0.005	< 0.100		0.332	0.400	83.0	60.0	120	
Clofentezine	0.000	< 0.100		0.347	0.400	86.7	60.0	120	
Cyfluthrin	0.000	< 0.500		1.719	2.000	85.9	50.0	150	
Cypermethrin	0.000	< 0.500		1.605	2.000	80.3	50.0	150	
Daminozide	0.000	< 0.500		0.655	2.000	***32.8***	60.0	120	**Q7**
Diazinon	0.001	< 0.100		0.353	0.400	88.3	60.0	120	
Dichlorvos	0.000	< 0.500		1.743	2.000	87.2	60.0	120	
Dimethoate	0.000	< 0.100		0.357	0.400	89.3	60.0	120	
Ethoprophos	0.000	< 0.100		0.359	0.400	89.7	60.0	120	
Etofenprox	0.002	< 0.200		0.602	0.800	75.2	50.0	150	
Etoxazole	0.001	< 0.100		0.340	0.400	85.0	60.0	120	
Fenoxycarb	0.001	< 0.100		0.343	0.400	85.8	60.0	120	
Fenpyroximate	0.000	< 0.200		0.681	0.800	85.1	60.0	120	
Fipronil	0.000	< 0.200		0.775	0.800	96.9	60.0	120	
Flonicamid	0.000	< 0.250		0.895	1.000	89.5	60.0	120	
Fludioxonil	0.000	< 0.200		0.796	0.800	99.5	50.0	150	
Hexythiazox	0.000	< 0.250		0.807	1.000	80.7	60.0	120	
Imazalil	0.007	< 0.100		0.364	0.400	91.0	60.0	120	
Imidacloprid	0.000	< 0.200		0.726	0.800	90.7	60.0	120	
Kresoxim-methyl	0.000	< 0.200		0.722	0.800	90.2	60.0	120	
Malathion	0.000	< 0.100		0.383	0.400	95.8	60.0	120	
Metalaxyl	0.002	< 0.100		0.364	0.400	91.1	60.0	120	
Methiocarb	0.002	< 0.100		0.334	0.400	83.6	60.0	120	
Methomyl	0.000	< 0.200		0.720	0.800	90.0	60.0	120	
MGK-264	0.000	< 0.100		0.351	0.400	87.8	50.0	150	
Myclobutanil	0.000	< 0.100		0.360	0.400	90.0	60.0	120	
Naled	0.002	< 0.250		0.897	1.000	89.7	50.0	150	
Oxamyl	0.000	< 0.500		1.758	2.000	87.9	60.0	120	
Paclobutrazole	0.003	< 0.200		0.713	0.800	89.1	60.0	120	
Parathion-Methyl	0.000	< 0.100		0.350	0.400	87.4	50.0	150	
Permethrin	0.002	< 0.100		0.303	0.400	75.8	50.0	150	
Phosmet	0.000	< 0.100		0.361	0.400	90.3	50.0	150	
Piperonyl butoxide	0.003	< 0.500		1.702	2.000	85.1	60.0	120	
Prallethrin	0.000	< 0.100		0.360	0.400	89.9	60.0	120	
Propiconazole	0.000	< 0.200		0.713	0.800	89.1	60.0	120	
Propoxur	0.001	< 0.100		0.353	0.400	88.3	60.0	120	
Pyrethrin (Summe)	0.001	< 0.100		0.437	0.488	89.6	60.0	120	
Pyridaben	0.001	< 0.100		0.315	0.400	78.8	50.0	150	
Spinosad	0.000	< 0.100		0.378	0.388	97.5	50.0	150	
Spiromesifen	0.001	< 0.100		0.354	0.400	88.4	60.0	120	
Spirotetramat	0.000	< 0.100		0.357	0.400	89.4	60.0	120	
Spiroxamine	0.004	< 0.200		0.739	0.800	92.4	60.0	120	

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2507062

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID: 25-011359-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.646	0.660	1.000	2.1%	< 30	64.6%	66.0%	50 - 150	
Acephate	0.000	0.619	0.516	0.800	18.2%	< 30	77.3%	64.4%	50 - 150	
Acequinocyl	0.222	2.481	2.507	4.000	1.1%	< 30	56.5%	57.1%	50 - 150	
Acetamiprid	0.000	0.304	0.270	0.400	11.9%	< 30	75.9%	67.4%	50 - 150	
Aldicarb	0.000	0.620	0.549	0.800	12.1%	< 30	77.5%	68.6%	50 - 150	
Azoxystrobin	0.006	0.238	0.225	0.400	5.6%	< 30	57.9%	54.7%	50 - 150	
Bifenazate	0.000	0.338	0.312	0.400	7.8%	< 30	84.4%	78.1%	50 - 150	
Bifenthrin	0.004	0.034	0.032	0.400	7.1%	< 30	7.6%	7.1%	50 - 150	Q
Boscalid	0.003	0.642	0.604	0.800	6.1%	< 30	79.8%	75.1%	50 - 150	
Carbaryl	0.000	0.286	0.258	0.400	10.6%	< 30	71.6%	64.4%	50 - 150	
Carbofuran	0.000	0.243	0.215	0.400	12.0%	< 30	60.6%	53.8%	50 - 150	
Chlorantraniliprole	0.000	0.341	0.307	0.400	10.4%	< 30	85.2%	76.8%	50 - 150	
Chlorfenapyr	0.000	1.125	1.034	2.000	8.4%	< 30	56.2%	51.7%	50 - 150	
Chlorpyrifos	0.007	0.045	0.052	0.400	15.3%	< 30	9.6%	11.2%	50 - 150	Q
Clofentezine	0.000	0.206	0.207	0.400	0.3%	< 30	51.6%	51.7%	50 - 150	
Cyfluthrin	0.000	0.581	0.589	2.000	1.4%	< 30	29.1%	29.5%	30 - 150	Q
Cypermethrin	0.000	0.851	0.777	2.000	9.1%	< 30	42.6%	38.9%	50 - 150	Q
Daminozide	0.000	0.646	0.598	2.000	7.6%	< 30	32.3%	29.9%	30 - 150	Q
Diazinon	0.001	0.296	0.278	0.400	6.2%	< 30	73.8%	69.3%	50 - 150	
Dichlorvos	0.005	1.476	1.312	2.000	11.8%	< 30	73.6%	65.4%	50 - 150	
Dimethoate	0.000	0.297	0.270	0.400	9.5%	< 30	74.2%	67.4%	50 - 150	
Ethoprophos	0.001	0.301	0.280	0.400	7.3%	< 30	75.1%	69.9%	50 - 150	
Etofenprox	0.000	0.427	0.403	0.800	5.9%	< 30	53.4%	50.4%	50 - 150	
Etoxazole	0.001	0.282	0.269	0.400	4.7%	< 30	70.3%	67.1%	50 - 150	
Fenoxycarb	0.001	0.266	0.265	0.400	0.3%	< 30	66.3%	66.2%	50 - 150	
Fenpyroximate	0.000	0.489	0.480	0.800	1.8%	< 30	61.1%	60.0%	50 - 150	
Fipronil	0.000	1.098	1.045	0.800	4.9%	< 30	137.2%	130.6%	50 - 150	
Flonicamid	0.000	0.885	0.788	1.000	11.6%	< 30	88.5%	78.8%	50 - 150	
Fludioxonil	0.000	0.842	0.830	0.800	1.5%	< 30	105.3%	103.7%	50 - 150	
Hexythiazox	0.001	0.148	0.148	1.000	0.3%	< 30	14.8%	14.7%	50 - 150	Q
Imazalil	0.007	0.239	0.230	0.400	3.8%	< 30	57.9%	55.7%	50 - 150	
Imidacloprid	0.000	0.663	0.624	0.800	6.1%	< 30	82.9%	78.0%	50 - 150	
Kresoxim-methyl	0.000	0.492	0.507	0.800	2.9%	< 30	61.5%	63.4%	50 - 150	
Malathion	0.000	0.296	0.274	0.400	7.7%	< 30	74.1%	68.6%	50 - 150	
Metalaxyl	0.006	0.285	0.279	0.400	2.2%	< 30	70.0%	68.4%	50 - 150	
Methiocarb	0.002	0.246	0.225	0.400	8.7%	< 30	60.9%	55.8%	50 - 150	
Methomyl	0.000	0.661	0.559	0.800	16.8%	< 30	82.6%	69.9%	50 - 150	
MGK-264	0.000	0.091	0.092	0.400	0.6%	< 30	22.8%	22.9%	50 - 150	Q
Myclobutanil	0.000	0.305	0.302	0.400	0.8%	< 30	76.2%	75.6%	50 - 150	
Naled	0.002	0.599	0.547	1.000	9.0%	< 30	59.7%	54.6%	50 - 150	
Oxamyl	0.000	1.611	1.463	2.000	9.6%	< 30	80.5%	73.2%	50 - 150	
Paclobutrazole	0.004	0.565	0.534	0.800	5.7%	< 30	70.2%	66.3%	50 - 150	
Parathion-Methyl	0.000	0.508	0.547	0.400	7.4%	< 30	127.0%	136.7%	30 - 150	
Permethrin	0.000	0.327	0.294	0.400	10.8%	< 30	81.8%	73.5%	50 - 150	
Phosmet	0.000	0.290	0.272	0.400	6.6%	< 30	72.6%	67.9%	50 - 150	
Piperonyl butoxide	0.018	1.943	1.902	2.000	2.2%	< 30	96.3%	94.2%	50 - 150	
Prallethrin	0.000	0.330	0.319	0.400	3.4%	< 30	82.4%	79.6%	50 - 150	
Propiconazole	0.001	0.600	0.548	0.800	9.1%	< 30	74.8%	68.3%	50 - 150	
Propoxur	0.013	0.296	0.259	0.400	14.0%	< 30	70.8%	61.5%	50 - 150	
Pyrethrin (Summe)	0.101	0.426	0.410	0.488	5.1%	< 30	66.6%	63.3%	50 - 150	
Pyridaben	0.002	0.308	0.301	0.400	2.2%	< 30	76.5%	74.8%	50 - 150	
Spinosad	0.000	0.252	0.239	0.388	5.2%	< 30	64.8%	61.5%	50 - 150	
Spiromesifen	0.001	0.249	0.224	0.400	10.7%	< 30	62.0%	55.7%	50 - 150	
Spirotetramat	0.000	0.378	0.358	0.400	5.4%	< 30	94.5%	89.5%	50 - 150	
Spiroxamine	0.004	0.620	0.596	0.800	4.0%	< 30	77.1%	74.0%	50 - 150	

Columbia LABORATORIES
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Portland, OR 97230
503-254-1794

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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2507067

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,1-Dichloroethane	ND	<	1		1.02	1	µg/g	102.0	50-150	
1,2-Dichloroethene, trans-	ND	<	1		1.01	1	µg/g	101.0	50-150	
1,4-Dioxane	ND	<	100		441	496	µg/g	88.9	60-120	
1-Pentanol	ND	<	500		1580	1610	µg/g	98.1	50-150	
1-Propanol	ND	<	500		1460	1620	µg/g	90.1	50-150	
2,2-Dimethylbutane	ND	<	30		164	172	µg/g	95.3	60-120	
2,2-Dimethylpropane	ND	<	200		585	956	µg/g	61.2	60-120	
2,3-Dimethylbutane	ND	<	30		171	173	µg/g	98.8	60-120	
2-Butanol	ND	<	200		1600	1610	µg/g	99.4	60-120	
2-Ethoxyethanol	ND	<	30		166	177	µg/g	93.8	60-120	
2-methyl-1-propanol	ND	<	500		1160	1610	µg/g	72.0	50-150	
2-Methylbutane	ND	<	200		1610	1630	µg/g	98.8	60-120	
2-Methylpentane	ND	<	30		121	164	µg/g	73.8	60-120	
2-Propanol	ND	<	200		1550	1610	µg/g	96.3	60-120	
3-Methyl-1-butanol	ND	<	500		1390	1610	µg/g	86.3	50-150	
3-Methylpentane	ND	<	30		168	183	µg/g	91.8	60-120	
Acetone	ND	<	200		1560	1620	µg/g	96.3	60-120	
Acetonitrile	ND	<	100		492	493	µg/g	99.8	60-120	
Anisole	ND	<	500		1250	1620	µg/g	77.2	50-150	
Benzene	ND	<	1		0.913	1	µg/g	91.3	50-150	
Butane	ND	<	200		520	769	µg/g	67.6	60-120	
Butyl Acetate	ND	<	500		1600	1620	µg/g	98.8	50-150	
Carbon Tetrachloride	ND	<	1		0.85	1	µg/g	85.0	50-150	
Cumene	ND	<	30		150	174	µg/g	86.2	60-120	
Cyclohexane	ND	<	200		1460	1630	µg/g	89.6	60-120	
Dichloromethane	ND	<	1		0.955	1	µg/g	95.5	50-150	
Ethanol	ND	<	200		1630	1630	µg/g	100.0	60-120	
Ethyl acetate	ND	<	200		1570	1630	µg/g	96.3	60-120	
Ethyl Ether	ND	<	200		1550	1620	µg/g	95.7	60-120	
Ethylbenzene	ND	<	200		876	976	µg/g	89.8	60-120	
Ethylene Glycol	ND	<	200		407	484	µg/g	84.1	60-120	
Ethylene Oxide	ND	<	1		1.25	1	µg/g	125.0	50-150	
Heptane	ND	<	200		1560	1600	µg/g	97.5	60-120	
Hexane	ND	<	30		161	172	µg/g	93.6	60-120	
Isobutane	ND	<	200		519	770	µg/g	67.4	60-120	
Isopropyl Acetate	ND	<	200		1560	1610	µg/g	96.9	60-120	
m,p-Xylene	ND	<	200		873	988	µg/g	88.4	60-120	
Methanol	ND	<	200		1600	1650	µg/g	97.0	60-120	
Methylisobutylketone	ND	<	500		1430	1620	µg/g	88.3	50-150	
MTBE	ND	<	500		1340	1630	µg/g	82.2	50-150	
N,N-dimethylacetamide	ND	<	150		515	524	µg/g	98.3	50-150	
o-Xylene	ND	<	200		865	975	µg/g	88.7	60-120	
Pentane	ND	<	200		1590	1610	µg/g	98.8	60-120	
Propane	ND	<	200		414	585	µg/g	70.8	60-120	
Propyl Acetate	ND	<	500		1430	1600	µg/g	89.4	50-150	
Sulfolane	ND	<	50		121	165	µg/g	73.3	50-150	
Tetrahydrofuran	ND	<	100		450	486	µg/g	92.6	60-120	
Toluene	ND	<	100		428	485	µg/g	88.2	60-120	

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QC - Sample Duplicate **Sample ID: 25-010890-0001**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Carbon Tetrachloride	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

µg/g- Microgram per gram or ppm

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2507137

Method Blank				Laboratory Control Sample					
Analyte	**Result**	**LOQ**	**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	< 196		352	451	µg/g	***78%***	70 - 130	
Camphene	<LOQ	< 196		408	489	µg/g	***83%***	70 - 130	
Sabinene	<LOQ	< 196		332	451	µg/g	***74%***	70 - 130	
b-Pinene	<LOQ	< 196		349	451	µg/g	***77%***	70 - 130	
b-Myrcene	<LOQ	< 196		394	489	µg/g	***80%***	70 - 130	
a-phelllandrene	<LOQ	< 196		384	489	µg/g	***79%***	70 - 130	
d-3-Carene	<LOQ	< 196		474	489	µg/g	***97%***	70 - 130	
a-Terpinene	<LOQ	< 196		342	451	µg/g	***76%***	70 - 130	
p-Cymene	<LOQ	< 196		387	489	µg/g	***79%***	70 - 130	
D-Limonene	<LOQ	< 196		346	451	µg/g	***77%***	70 - 130	
Eucalyptol	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
b-cis-Ocimene	<LOQ	< 65		117	150	µg/g	***78%***	70 - 130	
b-trans-Ocimene	<LOQ	< 130		241	301	µg/g	***80%***	70 - 130	
g-Terpinene	<LOQ	< 196		334	451	µg/g	***74%***	70 - 130	
Sabinene_Hydrate	<LOQ	< 196		316	451	µg/g	***70%***	70 - 130	
Terpinolene	<LOQ	< 196		340	451	µg/g	***75%***	70 - 130	
D-Fenchone	<LOQ	< 196		325	451	µg/g	***72%***	70 - 130	
Linalool	<LOQ	< 196		313	489	µg/g	***64%***	70 - 130	**Q7**
Fenchol	<LOQ	< 196		312	451	µg/g	***69%***	70 - 130	**Q7**
Camphor	<LOQ	< 196		366	489	µg/g	***75%***	70 - 130	
Isopulego	<LOQ	< 196		335	489	µg/g	***68%***	70 - 130	**Q7**
Isoborneol	<LOQ	< 196		349	489	µg/g	***71%***	70 - 130	
Borneol	<LOQ	< 196		316	451	µg/g	***70%***	70 - 130	
DL-Menthol	<LOQ	< 196		321	489	µg/g	***66%***	70 - 130	**Q7**
Terpineol	<LOQ	< 196		332	451	µg/g	***74%***	70 - 130	
Nerol	<LOQ	< 196		263	489	µg/g	***54%***	70 - 130	**Q7**
Pulegone	<LOQ	< 196		323	451	µg/g	***72%***	70 - 130	
Gereniol	<LOQ	< 196		314	451	µg/g	***70%***	70 - 130	
Geranyl_Acetate	<LOQ	< 196		333	489	µg/g	***68%***	70 - 130	**Q7**
a-Cedrene	<LOQ	< 196		342	451	µg/g	***76%***	70 - 130	
b-Caryophyllene	<LOQ	< 196		385	489	µg/g	***79%***	70 - 130	
a-Humulene	<LOQ	< 196		390	451	µg/g	***86%***	70 - 130	
Valenene	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
cis-Nerolidol	<LOQ	< 196		369	489	µg/g	***75%***	70 - 130	
a-Farnesene	<LOQ	< 196		610	489	µg/g	***125%***	70 - 130	
trans-Nerolidol	<LOQ	< 196		317	451	µg/g	***70%***	70 - 130	
Caryophyllene_Oxide	<LOQ	< 196		345	489	µg/g	***70%***	70 - 130	
Guaiol	<LOQ	< 196		381	451	µg/g	***85%***	70 - 130	
Cedrol	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
a-Bisabolol	<LOQ	< 196		390	489	µg/g	***80%***	70 - 130	

Definitions	
LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-011020/D005.R000
Report Date: 10/01/2025
ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Revision: 1 Document ID: 7086
Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2507137

Sample/Sample Duplicate **Sample ID: 25-010938-0001**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-phelllandrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	62.8	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	126	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	188	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Gereniol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Caryophyllene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	188	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	188	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	188	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	188	µg/g	0%	< 20	

Definitions

RPD	Relative Percent Difference
Q7	Quality control outside QC limits.

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12423 NE Whitaker Way
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503-254-1794

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Columbia LABORATORIES
A Tentamus Company

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503-254-1794

Report Number: 25-011020/D005.R000
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Explanation of QC Flag Comments:

Code	Explanation
A	This analysis was performed on a VOA sample containing headspace.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.
B3	Dilution water blank of BOD was above the recommended limit; associated samples could be high biased.
CP	Client provided value.
CV	Calculated value.
E	Analyte concentration exceeds the calibration range, results are estimated.
E1	Estimated value.
E2	Estimated value. Matrix interference observed.
H	Holding time was exceeded.
J	Estimated value, above the detection limit and below the LOQ
I	Insufficient sample received to meet method requirements.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
LOQ3	< LOQ could be due to potential inhibition.
N1	See case narrative
P	Not preserved to the proper pH
P1	Storage temperature out of control
P2	Incubator temperature out of control
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
Q7	Quality control outside QC limits.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
RE	Re-extracted and/or re-analyzed.
REH	The original analysis was within holding time; re-analysis past holding time.
S	Surrogate recovery outside control limit.
T	Tentatively Identified Compound (TIC) by library search.
T1	Confirmed by secondary ion
W	Results are reported on dry weight basis.

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Certificate of Analysis

Live D9, Indica, Oregon Huckleberry, 20mg

Sample ID: SA-250720-65574
Batch: 3009.2NC_071925
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 8.33814

Collected: 07/19/2025
Received: 07/23/2025
Completed: 08/04/2025

Client
The Hemp Collect
2014 SE 9th Ave
Portland, OR 97214
USA
Lic. #: AG-R1089482IHH

Summary

Test	Date Tested	Status
Cannabinoids	07/24/2025	Tested
Heavy Metals	08/01/2025	Passed
Microbials	07/31/2025	Passed
Mycotoxins	08/04/2025	Passed
Pesticides	08/04/2025	Passed
Residual Solvents	07/31/2025	Passed

0.246 %	0.246 %	0.479 %	Not Tested	Not Tested	Yes
Total Δ9-THC	Δ9-THC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	0.0665	5.55
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	0.00358	0.299
CBDA	0.00043	0.0013	0.0133	1.11
CBDV	0.00061	0.00182	ND	ND
CBDVA	0.00021	0.00063	<LOQ	<LOQ
CBG	0.00057	0.00172	0.00848	0.707
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.132	11.0
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	0.00712	0.594
Δ8-THC	0.00104	0.00312	ND	ND
Δ9-THC	0.00076	0.00227	0.246	20.5
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	0.00252	0.210
Δ9-THCVA	0.00062	0.00186	ND	ND
Total Δ9-THC			**0.246**	**20.5**
Total			**0.479**	**40.0**

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Kelsey Rogers
Scientist
Date: 07/24/2025

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Nicholasville, KY 40356

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2014 SE 9th Ave
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Lic. #: AG-R1089482IHH

Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Arsenic	0.002	0.02	ND	P
Cadmium	0.001	0.02	ND	P
Lead	0.002	0.02	ND	P
Mercury	0.012	0.05	ND	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Chris Farman
Scientist
Date: 08/01/2025

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Lic. #: AG-R1089482IHH

Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Abamectin	30	100	ND	P	Hexythiazox	30	100	ND	P
Acephate	30	100	ND	P	Imazalil	30	100	ND	P
Acetamiprid	30	100	ND	P	Imidacloprid	30	100	ND	P
Aldicarb	30	100	ND	P	Kresoxim methyl	30	100	ND	P
Azoxystrobin	30	100	ND	P	Malathion	30	100	ND	P
Bifenazate	30	100	ND	P	Metalaxyl	30	100	ND	P
Bifenthrin	30	100	ND	P	Methiocarb	30	100	ND	P
Boscalid	30	100	ND	P	Methomyl	30	100	ND	P
Carbaryl	30	100	ND	P	Mevinphos	30	100	ND	P
Carbofuran	30	100	ND	P	Myclobutanil	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Naled	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Oxamyl	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Paclobutrazol	30	100	ND	P
Clofentezine	30	100	ND	P	Permethrin	30	100	ND	P
Coumaphos	30	100	ND	P	Phosmet	30	100	ND	P
Cypermethrin	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Daminozide	30	100	ND	P	Propiconazole	30	100	ND	P
Diazinon	30	100	ND	P	Propoxur	30	100	ND	P
Dichlorvos	30	100	ND	P	Pyrethrins	30	100	ND	P
Dimethoate	30	100	ND	P	Pyridaben	30	100	ND	P
Dimethomorph	30	100	ND	P	Spinetoram	30	100	ND	P
Ethoprophos	30	100	ND	P	Spinosad	30	100	ND	P
Etofenprox	30	100	ND	P	Spiromesifen	30	100	ND	P
Etoxazole	30	100	ND	P	Spirotetramat	30	100	ND	P
Fenhexamid	30	100	ND	P	Spiroxamine	30	100	ND	P
Fenoxycarb	30	100	ND	P	Tebuconazole	30	100	ND	P
Fenpyroximate	30	100	ND	P	Thiacloprid	30	100	ND	P
Fipronil	30	100	ND	P	Thiamethoxam	30	100	ND	P
Flonicamid	30	100	ND	P	Trifloxystrobin	30	100	ND	P
Fludioxonil	30	100	ND	P					

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Anthony Mattingly
Scientist
Date: 08/04/2025

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
B1	1	5	ND	P
B2	1	5	ND	P
G1	1	5	ND	P
G2	1	5	ND	P
Ochratoxin A	1	5	ND	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Anthony Mattingly
Scientist
Date: 08/04/2025

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Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)	P/F
Total aerobic count	10	ND		P
Total coliforms	10	ND		P
Generic E. coli	10	ND		P
Salmonella spp.	1		Not Detected per 1 gram	P
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram	P

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Sara Cook
Laboratory Technician
Date: 07/31/2025

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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	P	Ethylene Oxide	0.5	1	ND	P
Acetonitrile	14	41	ND	P	Heptane	167	500	ND	P
Benzene	0.5	1	ND	P	n-Hexane	10	29	ND	P
Butane	167	500	ND	P	Isobutane	167	500	ND	P
1-Butanol	167	500	ND	P	Isopropyl Acetate	167	500	ND	P
2-Butanol	167	500	ND	P	Isopropyl Alcohol	167	500	ND	P
2-Butanone	167	500	ND	P	Isopropylbenzene	167	500	ND	P
Chloroform	2	6	ND	P	Methanol	100	300	ND	P
Cyclohexane	129	388	ND	P	2-Methylbutane	10	29	ND	P
1,2-Dichloroethane	0.5	1	ND	P	Methylene Chloride	20	60	ND	P
1,2-Dimethoxyethane	4	10	ND	P	2-Methylpentane	10	29	ND	P
Dimethyl Sulfoxide	167	500	ND	P	3-Methylpentane	10	29	ND	P
N,N-Dimethylacetamide	37	109	ND	P	n-Pentane	167	500	ND	P
2,2-Dimethylbutane	10	29	ND	P	1-Pentanol	167	500	ND	P
2,3-Dimethylbutane	10	29	ND	P	n-Propane	167	500	ND	P
N,N-Dimethylformamide	30	88	ND	P	1-Propanol	167	500	ND	P
2,2-Dimethylpropane	167	500	ND	P	Pyridine	7	20	ND	P
1,4-Dioxane	13	38	ND	P	Tetrahydrofuran	24	72	ND	P
Ethanol	167	500	ND	P	Toluene	30	89	ND	P
2-Ethoxyethanol	6	16	ND	P	Trichloroethylene	3	8	ND	P
Ethyl Acetate	167	500	ND	P	Xylenes (o-, m-, and p-)	73	217	ND	P
Ethyl Ether	167	500	ND	P					
Ethylbenzene	3	7	ND	P					

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone
Commercial Director
Date: 08/04/2025

Tested By: Kelsey Rogers
Scientist
Date: 07/31/2025

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Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Arsenic	1.5	Lead	0.5
Cadmium	0.5	Mercury	1.5

Microbials -

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	10000

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
2,3-Dimethylbutane	290	n-Propane	5000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	890
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	5000	Xylenes (o-, m-, and p-)	2170
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acetamiprid	5000	Imidacloprid	3000
Aldicarb	30	Kresoxim methyl	1000
Azoxystrobin	40000	Malathion	5000
Bifenazate	5000	Metalaxyl	15000
Bifenthrin	500	Methiocarb	30
Boscalid	10000	Methomyl	100
Carbaryl	500	Mevinphos	30
Carbofuran	30	Myclobutanil	9000
Chloranthraniliprole	40000	Naled	500
Chlorfenapyr	30	Oxamyl	200
Chlorpyrifos	30	Paclobutrazol	30
Clofentezine	500	Permethrin	20000
Coumaphos	30	Phosmet	200
Cypermethrin	1000	Piperonyl Butoxide	8000
Daminozide	30	Propiconazole	20000
Diazinon	200	Propoxur	30
Dichlorvos	30	Pyrethrins	1000
Dimethoate	30	Pyridaben	3000
Dimethomorph	20000	Spinetoram	3000
Ethoprophos	30	Spinosad	3000
Etofenprox	30	Spiromesifen	12000
Etoxazole	1500	Spirotetramat	13000
Fenhexamid	10000	Spiroxamine	30
Fenoxycarb	30	Tebuconazole	2000
Fenpyroximate	2000	Thiacloprid	30
Fipronil	30	Thiamethoxam	4500
Flonicamid	2000	Trifloxystrobin	30000
Fludioxonil	30000		

Mycotoxins - Colorado CDPHE

Analyte	Limit (ppb)	Analyte	Limit (ppb)
B1	5	B2	5
G1	5	G2	5
Ochratoxin A	5		

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-011020/D004.R000
Report Date: 10/01/2025
ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Customer: The Hemp Collect
2014 SE 9th Ave
Portland Oregon 97214
United States of America (USA)

Product identity: Live D9 Gummy, Hybrid, Sour Watermelon, 20mg
Metrc ID: .
Material: Cannabinoid Edible
Laboratory ID: 25-011020-0002
Evidence of Cooling: No
Temp: 22.8 °C
Lot #: 3030NC_091525
Serving Size #1: 8 g

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2506792 **Analyze:** 09/18/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
CBC	0.0711	%	0.0078		5.68	mg/8g	0.62
CBC-A	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBC-Total	0.0711	%	0.0146		5.69	mg/8g	1.17
CBD[⊥]	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBD-A[⊥]	0.0101	%	0.0078		0.804	mg/8g	0.62
CBD-Total[⊥]	< LOQ	%	0.0146		< LOQ	mg/8g	1.17
CBDV	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBDV-A	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBDV-Total	< LOQ	%	0.0145		< LOQ	mg/8g	1.16
CBE	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBG	0.00861	%	0.0078		0.689	mg/8g	0.62
CBG-A	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBG-Total	< LOQ	%	0.0145		< LOQ	mg/8g	1.16
CBL	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBL-A	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBL-Total	< LOQ	%	0.0146		< LOQ	mg/8g	1.17
CBN	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
CBT	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ10-THC-9R	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ10-THC-9S	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ10-THC-Total	< LOQ	%	0.0156		< LOQ	mg/8g	1.25
Δ8-THC[⊥]	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ8-THCV	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ9-THC[⊥]	0.262	%	0.0078		21.0	mg/8g	0.62
Δ9-THC-A[⊥]	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ9-THC-Total[⊥]	0.262	%	0.0146		21.0	mg/8g	1.17
Δ9-THCP	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ9-THCV	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ9-THCV-A	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Δ9-THCV-Total	< LOQ	%	0.0145		< LOQ	mg/8g	1.16

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 25-011020/D004.R000
Report Date: 10/01/2025
ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Potency

Method: J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2506792 **Analyze:** 09/18/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
exo-THC	< LOQ	%	0.0078		< LOQ	mg/8g	0.62
Total Cannabinoids	0.352	%			28.2	mg/8g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Salmonella spp. ⊥	Negative		/25g		2506938	09/25/25	AOAC 2020.02[þ]		
EHEC including STEC ⊥	Negative		/25g		2506939	09/25/25	AOAC 2020.06[þ]		

Solvents

Method: Residual Solvents by HS-GC-MS[þ] **Units** µg/g **Batch** 2507067 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane ⊥	< LOQ	380	100	pass		2-Butanol ⊥	< LOQ	5000	200	pass	
2-Ethoxyethanol ⊥	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) ⊥	< LOQ		200		
2-Methylpentane ⊥	< LOQ		30.0			2-Propanol (IPA) ⊥	< LOQ	5000	200	pass	
2,2-Dimethylbutane ⊥	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) ⊥	< LOQ		200		
2,3-Dimethylbutane ⊥	< LOQ		30.0			3-Methylpentane ⊥	< LOQ		30.0		
Acetone ⊥	< LOQ	5000	200	pass		Acetonitrile ⊥	< LOQ	410	100	pass	
Benzene ⊥	< LOQ	2.00	1.00	pass		Butanes (sum) ⊥	< LOQ	5000	400	pass	
Cyclohexane ⊥	< LOQ	3880	200	pass		Ethyl acetate ⊥	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether ⊥	< LOQ	5000	200	pass	
Ethylene glycol ⊥	< LOQ	620	200	pass		Ethylene oxide ⊥	< LOQ	50.0	20.0	pass	
Hexanes (sum) ⊥	< LOQ	290	150	pass		Isopropyl acetate ⊥	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) ⊥	< LOQ	70.0	30.0	pass		m,p-Xylene ⊥	< LOQ		200		
Methanol ⊥	< LOQ	3000	200	pass		Methylene chloride ⊥	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) ⊥	< LOQ		200			n-Butane ⊥	< LOQ		200		
n-Heptane ⊥	< LOQ	5000	200	pass		n-Hexane ⊥	< LOQ		30.0		
n-Pentane ⊥	< LOQ		200			o-Xylene ⊥	< LOQ		200		
Pentanes (sum) ⊥	< LOQ	5000	600	pass		Propane ⊥	< LOQ	5000	200	pass	
Tetrahydrofuran ⊥	< LOQ	720	100	pass		Toluene ⊥	< LOQ	890	100	pass	
Total Xylenes ⊥	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507062 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin ⊥	< LOQ	0.50	0.250	pass		Acephate ⊥	< LOQ	0.40	0.200	pass	
Acequinocyl ⊥	< LOQ	2.0	1.00	pass		Acetamiprid ⊥	< LOQ	0.20	0.100	pass	
Aldicarb ⊥	< LOQ	0.40	0.200	pass		Azoxystrobin ⊥	< LOQ	0.20	0.100	pass	
Bifenazate ⊥	< LOQ	0.20	0.100	pass		Bifenthrin ⊥	< LOQ	0.20	0.100	pass	
Boscalid ⊥	< LOQ	0.40	0.200	pass		Carbaryl ⊥	< LOQ	0.20	0.100	pass	
Carbofuran ⊥	< LOQ	0.20	0.100	pass		Chlorantraniliprole ⊥	< LOQ	0.20	0.100	pass	
Chlorfenapyr ⊥	< LOQ	1.0	0.500	pass		Chlorpyrifos-ethyl ⊥	< LOQ	0.20	0.100	pass	
Clofentezine ⊥	< LOQ	0.20	0.100	pass		Cyfluthrin (sum) ⊥	< LOQ	1.0	0.500	pass	
Cypermethrin (sum) ⊥	< LOQ	1.0	0.500	pass		Daminozide ⊥	< LOQ	1.0	0.500	pass	

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A Tentamus Company

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ORELAP#: OR100028
Purchase Order:
Received: 09/17/25 09:52

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507062 **Analyze:** 09/29/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Diazinon ⊥	< LOQ	0.20	0.100	pass		Dichlorvos ⊥	< LOQ	1.0	0.500	pass	
Dimethoate ⊥	< LOQ	0.20	0.100	pass		Ethoprophos ⊥	< LOQ	0.20	0.100	pass	
Etofenprox ⊥	< LOQ	0.40	0.200	pass		Etoxazole ⊥	< LOQ	0.20	0.100	pass	
Fenoxycarb ⊥	< LOQ	0.20	0.100	pass		Fenpyroximate ⊥	< LOQ	0.40	0.200	pass	
Fipronil ⊥	< LOQ	0.40	0.200	pass		Flonicamid ⊥	< LOQ	1.0	0.400	pass	
Fludioxonil ⊥	< LOQ	0.40	0.200	pass		Hexythiazox ⊥	< LOQ	1.0	0.400	pass	
Imazalil ⊥	< LOQ	0.20	0.100	pass		Imidacloprid ⊥	< LOQ	0.40	0.200	pass	
Kresoxim-methyl ⊥	< LOQ	0.40	0.200	pass		Malathion ⊥	< LOQ	0.20	0.100	pass	
Metalaxyl ⊥	< LOQ	0.20	0.100	pass		Methiocarb ⊥	< LOQ	0.20	0.100	pass	
Methomyl ⊥	< LOQ	0.40	0.200	pass		MGK-264 ⊥	< LOQ	0.20	0.100	pass	
Myclobutanil ⊥	< LOQ	0.20	0.100	pass		Naled ⊥	< LOQ	0.50	0.250	pass	
Oxamyl ⊥	< LOQ	1.0	0.500	pass		Paclobutrazole ⊥	< LOQ	0.40	0.200	pass	
Parathion-methyl ⊥	< LOQ	0.20	0.100	pass		Permethrin ⊥	< LOQ	0.20	0.100	pass	
Phosmet ⊥	< LOQ	0.20	0.100	pass		Piperonyl butoxide ⊥	< LOQ	2.0	1.00	pass	
Prallethrin ⊥	< LOQ	0.20	0.100	pass		Propiconazole ⊥	< LOQ	0.40	0.200	pass	
Propoxur ⊥	< LOQ	0.20	0.100	pass		Pyrethrin I (total) ⊥	< LOQ	1.0	0.500	pass	
Pyridaben ⊥	< LOQ	0.20	0.100	pass		Spinosad ⊥	< LOQ	0.20	0.100	pass	
Spiromesifen ⊥	< LOQ	0.20	0.100	pass		Spirotetramat ⊥	< LOQ	0.20	0.100	pass	
Spiroxamine ⊥	< LOQ	0.40	0.200	pass		Tebuconazole ⊥	< LOQ	0.40	0.200	pass	
Thiacloprid ⊥	< LOQ	0.20	0.100	pass		Thiamethoxam ⊥	< LOQ	0.20	0.100	pass	
Trifloxystrobin ⊥	< LOQ	0.20	0.100	pass							

Terpenes

Method: J AOAC 2015 V98-6ᵇ **Units** % **Batch** 2507137 **Analyze:** 09/30/25

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
nerol	< LOQ	0.019	0.00%		(+)-Pulegone	< LOQ	0.019	0.00%	
farnesene	< LOQ	0.019	0.00%		(+)-fenchol	< LOQ	0.019	0.00%	
Geranyl acetate	< LOQ	0.019	0.00%		(±)-cis-Nerolidol	< LOQ	0.019	0.00%	
Humulene	< LOQ	0.019	0.00%		a-Terpinene	< LOQ	0.019	0.00%	
p-Cymene	< LOQ	0.019	0.00%		a-cedrene	< LOQ	0.019	0.00%	
(-)-Guaiol	< LOQ	0.019	0.00%		valencene	< LOQ	0.019	0.00%	
cis-ß-Ocimene	< LOQ	0.006	0.00%		a-Bisabolol	< LOQ	0.019	0.00%	
ß-Caryophyllene	< LOQ	0.019	0.00%		(+)-Cedrol	< LOQ	0.019	0.00%	
Camphene	< LOQ	0.019	0.00%		(-)-a-Terpineol	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide	< LOQ	0.019	0.00%		(-)-Isopulegol	< LOQ	0.019	0.00%	
(-)-ß-Pinene	< LOQ	0.019	0.00%		(+)-Borneol	< LOQ	0.019	0.00%	
(±)-Camphor	< LOQ	0.019	0.00%		(±)-fenchone	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol	< LOQ	0.019	0.00%		(R)-(+)-Limonene	< LOQ	0.019	0.00%	
a-phellandrene	< LOQ	0.019	0.00%		a-pinene	< LOQ	0.019	0.00%	
d-3-Carene	< LOQ	0.019	0.00%		Eucalyptol	< LOQ	0.019	0.00%	
gamma-Terpinene	< LOQ	0.019	0.00%		Geraniol	< LOQ	0.019	0.00%	
Isoborneol	< LOQ	0.019	0.00%		Linalool	< LOQ	0.019	0.00%	
Menthol	< LOQ	0.019	0.00%		Sabinene	< LOQ	0.019	0.00%	
Sabinene hydrate	< LOQ	0.019	0.00%		ß-Myrcene	< LOQ	0.019	0.00%	
Terpinolene	< LOQ	0.019	0.00%		trans-ß-Ocimene	< LOQ	0.013	0.00%	
Total Terpenes	**< LOQ**								

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12423 NE Whitaker Way
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Purchase Order:
Received: 09/17/25 09:52

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic ⊥	< LOQ	0.200	mg/kg	0.0173	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0173	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0173	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00867	2507034	09/26/25	AOAC 2013.06 (mod.)þ	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2507059	09/29/25	Mycotoxins by AOAC 2007.01þ	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		10/01/25	Mycotoxins by AOAC 2007.01þ	pass	

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Threshold Note: OAR 333-007-0400

þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

Units of Measure

/25g = Per 25g
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
% = Percentage of sample
mg/8g = Milligram per 8g
% wt = µg/g divided by 10,000

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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

The-Hemp-Collect-1758053074

Company Details
Company: The Hemp Collect
Contact: Brooke McKenzie
Street Address: 2014 SE 9th Ave
City, State, Zip:Portland, OR 97214
Email: Coas@thehempcollect.com
Contact Phone: 7707220962

Billing Information
Billing Email: accounting@thehempcollect.com

Project Details
Turnaround Time: 4 Business Days | Surcharges Apply
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Lot	Additional Sample ID	Material	METRC Sample Package ID	Amount Provided	Reporting Unit	Specifications	Additional Test Requests and Sample Comments	Testing
1	Live D9 Gummy, Hybrid, Sour Apple, 20mg	3008.2NC_091525		Cannabinoid Edible	N/A	64 g	mg/g	mg/8g Gummy	Additional compliance testing will be added after reviewing potency.	✓
2	Live D9 Gummy, Hybrid, Sour Watermelon, 20mg	3030NC_091525		Cannabinoid Edible	N/A	64 g	mg/g	mg/8g Gummy	Additional compliance testing will be added after reviewing potency.	✓

Relinquished By	Date	Time
	09/16/2025	13:04

Received By	Date	Time	Received Temp., °C	IR Therm. CL#
dst	09/17/2025	09:52	22.80	CL-1243

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

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Columbia LABORATORIES
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Report Number: 25-011020/D004.R000
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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2506792**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0284	0.0280	%	101	80.0 - 120	Acceptable	
CBDV	2	0.0291	0.0286	%	102	80.0 - 120	Acceptable	
CBE	2	0.0331	0.0324	%	102	80.0 - 120	Acceptable	
CBDA	1	0.0277	0.0268	%	103	90.0 - 110	Acceptable	
CBGA	1	0.0304	0.0305	%	99.7	80.0 - 120	Acceptable	
CBG	1	0.0285	0.0280	%	102	80.0 - 120	Acceptable	
CBD	1	0.0278	0.0276	%	101	90.0 - 110	Acceptable	
THCV	2	0.0303	0.0302	%	100	80.0 - 120	Acceptable	
d8THCV	2	0.0307	0.0306	%	100	80.0 - 120	Acceptable	
THCVA	2	0.0277	0.0270	%	103	80.0 - 120	Acceptable	
CBN	1	0.0283	0.0282	%	100	80.0 - 120	Acceptable	
exo-THC	2	0.0280	0.0279	%	100	80.0 - 120	Acceptable	
d9THC	1	0.0301	0.0294	%	102	90.0 - 110	Acceptable	
d8THC	1	0.0285	0.0291	%	97.7	90.0 - 110	Acceptable	
9S-d10THC	1	0.0314	0.0312	%	101	80.0 - 120	Acceptable	
CBL	2	0.0296	0.0284	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0294	0.0311	%	94.3	80.0 - 120	Acceptable	
CBC	2	0.0295	0.0295	%	99.8	80.0 - 120	Acceptable	
THCA	1	0.0306	0.0328	%	93.2	90.0 - 110	Acceptable	
CBCA	2	0.0292	0.0289	%	101	80.0 - 120	Acceptable	
CBLA	2	0.0300	0.0292	%	103	80.0 - 120	Acceptable	
d9THCP	2	0.0291	0.0282	%	103	80.0 - 120	Acceptable	
CBT	2	0.0289	0.0287	%	101	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBDV	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBE	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBDA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBGA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBG	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBD	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCV	<LOQ	0.00757	%	< 0.00757	Acceptable	
d8THCV	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCVA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBN	<LOQ	0.00757	%	< 0.00757	Acceptable	
exo-THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
d9THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
d8THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
9S-d10THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBL	<LOQ	0.00757	%	< 0.00757	Acceptable	
9R-d10THC	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBC	<LOQ	0.00757	%	< 0.00757	Acceptable	
THCA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBCA	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBLA	<LOQ	0.00757	%	< 0.00757	Acceptable	
d9THCP	<LOQ	0.00757	%	< 0.00757	Acceptable	
CBT	<LOQ	0.00757	%	< 0.00757	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
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503-254-1794

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2506792**

Sample Duplicate Sample ID: **25-011018-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBDA	0.0639	0.0647	0.00760	%	1.37	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBD	0.172	0.173	0.00760	%	0.458	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00760	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00760	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2507062

Method Blank				Laboratory Control Sample					
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**		**Notes**
Abamectin	0.000	< 0.250		0.918	1.000	91.8	50.0	150	
Acephate	0.000	< 0.200		0.703	0.800	87.9	60.0	120	
Acequinocyl	0.029	< 1.000		2.456	4.000	61.4	40.0	160	
Acetamiprid	0.000	< 0.100		0.355	0.400	88.8	60.0	120	
Aldicarb	0.000	< 0.200		0.695	0.800	86.9	60.0	120	
Azoxystrobin	0.006	< 0.100		0.330	0.400	82.6	60.0	120	
Bifenazate	0.000	< 0.100		0.382	0.400	95.5	60.0	120	
Bifenthrin	0.000	< 0.100		0.309	0.400	77.3	50.0	150	
Boscalid	0.000	< 0.200		0.721	0.800	90.1	60.0	120	
Carbaryl	0.000	< 0.100		0.348	0.400	86.9	60.0	120	
Carbofuran	0.000	< 0.100		0.357	0.400	89.3	60.0	120	
Chlorantraniliprole	0.000	< 0.100		0.364	0.400	91.1	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.513	2.000	75.7	60.0	120	
Chlorpyrifos	0.005	< 0.100		0.332	0.400	83.0	60.0	120	
Clofentezine	0.000	< 0.100		0.347	0.400	86.7	60.0	120	
Cyfluthrin	0.000	< 0.500		1.719	2.000	85.9	50.0	150	
Cypermethrin	0.000	< 0.500		1.605	2.000	80.3	50.0	150	
Daminozide	0.000	< 0.500		0.655	2.000	***32.8***	60.0	120	**Q7**
Diazinon	0.001	< 0.100		0.353	0.400	88.3	60.0	120	
Dichlorvos	0.000	< 0.500		1.743	2.000	87.2	60.0	120	
Dimethoate	0.000	< 0.100		0.357	0.400	89.3	60.0	120	
Ethoprophos	0.000	< 0.100		0.359	0.400	89.7	60.0	120	
Etofenprox	0.002	< 0.200		0.602	0.800	75.2	50.0	150	
Etoxazole	0.001	< 0.100		0.340	0.400	85.0	60.0	120	
Fenoxycarb	0.001	< 0.100		0.343	0.400	85.8	60.0	120	
Fenpyroximate	0.000	< 0.200		0.681	0.800	85.1	60.0	120	
Fipronil	0.000	< 0.200		0.775	0.800	96.9	60.0	120	
Flonicamid	0.000	< 0.250		0.895	1.000	89.5	60.0	120	
Fludioxonil	0.000	< 0.200		0.796	0.800	99.5	50.0	150	
Hexythiazox	0.000	< 0.250		0.807	1.000	80.7	60.0	120	
Imazalil	0.007	< 0.100		0.364	0.400	91.0	60.0	120	
Imidacloprid	0.000	< 0.200		0.726	0.800	90.7	60.0	120	
Kresoxim-methyl	0.000	< 0.200		0.722	0.800	90.2	60.0	120	
Malathion	0.000	< 0.100		0.383	0.400	95.8	60.0	120	
Metalaxyl	0.002	< 0.100		0.364	0.400	91.1	60.0	120	
Methiocarb	0.002	< 0.100		0.334	0.400	83.6	60.0	120	
Methomyl	0.000	< 0.200		0.720	0.800	90.0	60.0	120	
MGK-264	0.000	< 0.100		0.351	0.400	87.8	50.0	150	
Myclobutanil	0.000	< 0.100		0.360	0.400	90.0	60.0	120	
Naled	0.002	< 0.250		0.897	1.000	89.7	50.0	150	
Oxamyl	0.000	< 0.500		1.758	2.000	87.9	60.0	120	
Paclobutrazole	0.003	< 0.200		0.713	0.800	89.1	60.0	120	
Parathion-Methyl	0.000	< 0.100		0.350	0.400	87.4	50.0	150	
Permethrin	0.002	< 0.100		0.303	0.400	75.8	50.0	150	
Phosmet	0.000	< 0.100		0.361	0.400	90.3	50.0	150	
Piperonyl butoxide	0.003	< 0.500		1.702	2.000	85.1	60.0	120	
Prallethrin	0.000	< 0.100		0.360	0.400	89.9	60.0	120	
Propiconazole	0.000	< 0.200		0.713	0.800	89.1	60.0	120	
Propoxur	0.001	< 0.100		0.353	0.400	88.3	60.0	120	
Pyrethrin (Summe)	0.001	< 0.100		0.437	0.488	89.6	60.0	120	
Pyridaben	0.001	< 0.100		0.315	0.400	78.8	50.0	150	
Spinosad	0.000	< 0.100		0.378	0.388	97.5	50.0	150	
Spiromesifen	0.001	< 0.100		0.354	0.400	88.4	60.0	120	
Spirotetramat	0.000	< 0.100		0.357	0.400	89.4	60.0	120	
Spiroxamine	0.004	< 0.200		0.739	0.800	92.4	60.0	120	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2507062

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID: 25-011359-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.646	0.660	1.000	2.1%	< 30	64.6%	66.0%	50 - 150	
Acephate	0.000	0.619	0.516	0.800	18.2%	< 30	77.3%	64.4%	50 - 150	
Acequinocyl	0.222	2.481	2.507	4.000	1.1%	< 30	56.5%	57.1%	50 - 150	
Acetamiprid	0.000	0.304	0.270	0.400	11.9%	< 30	75.9%	67.4%	50 - 150	
Aldicarb	0.000	0.620	0.549	0.800	12.1%	< 30	77.5%	68.6%	50 - 150	
Azoxystrobin	0.006	0.238	0.225	0.400	5.6%	< 30	57.9%	54.7%	50 - 150	
Bifenazate	0.000	0.338	0.312	0.400	7.8%	< 30	84.4%	78.1%	50 - 150	
Bifenthrin	0.004	0.034	0.032	0.400	7.1%	< 30	7.6%	7.1%	50 - 150	Q
Boscalid	0.003	0.642	0.604	0.800	6.1%	< 30	79.8%	75.1%	50 - 150	
Carbaryl	0.000	0.286	0.258	0.400	10.6%	< 30	71.6%	64.4%	50 - 150	
Carbofuran	0.000	0.243	0.215	0.400	12.0%	< 30	60.6%	53.8%	50 - 150	
Chlorantraniliprole	0.000	0.341	0.307	0.400	10.4%	< 30	85.2%	76.8%	50 - 150	
Chlorfenapyr	0.000	1.125	1.034	2.000	8.4%	< 30	56.2%	51.7%	50 - 150	
Chlorpyrifos	0.007	0.045	0.052	0.400	15.3%	< 30	9.6%	11.2%	50 - 150	Q
Clofentezine	0.000	0.206	0.207	0.400	0.3%	< 30	51.6%	51.7%	50 - 150	
Cyfluthrin	0.000	0.581	0.589	2.000	1.4%	< 30	29.1%	29.5%	30 - 150	Q
Cypermethrin	0.000	0.851	0.777	2.000	9.1%	< 30	42.6%	38.9%	50 - 150	Q
Daminozide	0.000	0.646	0.598	2.000	7.6%	< 30	32.3%	29.9%	30 - 150	Q
Diazinon	0.001	0.296	0.278	0.400	6.2%	< 30	73.8%	69.3%	50 - 150	
Dichlorvos	0.005	1.476	1.312	2.000	11.8%	< 30	73.6%	65.4%	50 - 150	
Dimethoate	0.000	0.297	0.270	0.400	9.5%	< 30	74.2%	67.4%	50 - 150	
Ethoprophos	0.001	0.301	0.280	0.400	7.3%	< 30	75.1%	69.9%	50 - 150	
Etofenprox	0.000	0.427	0.403	0.800	5.9%	< 30	53.4%	50.4%	50 - 150	
Etoxazole	0.001	0.282	0.269	0.400	4.7%	< 30	70.3%	67.1%	50 - 150	
Fenoxycarb	0.001	0.266	0.265	0.400	0.3%	< 30	66.3%	66.2%	50 - 150	
Fenpyroximate	0.000	0.489	0.480	0.800	1.8%	< 30	61.1%	60.0%	50 - 150	
Fipronil	0.000	1.098	1.045	0.800	4.9%	< 30	137.2%	130.6%	50 - 150	
Flonicamid	0.000	0.885	0.788	1.000	11.6%	< 30	88.5%	78.8%	50 - 150	
Fludioxonil	0.000	0.842	0.830	0.800	1.5%	< 30	105.3%	103.7%	50 - 150	
Hexythiazox	0.001	0.148	0.148	1.000	0.3%	< 30	14.8%	14.7%	50 - 150	Q
Imazalil	0.007	0.239	0.230	0.400	3.8%	< 30	57.9%	55.7%	50 - 150	
Imidacloprid	0.000	0.663	0.624	0.800	6.1%	< 30	82.9%	78.0%	50 - 150	
Kresoxim-methyl	0.000	0.492	0.507	0.800	2.9%	< 30	61.5%	63.4%	50 - 150	
Malathion	0.000	0.296	0.274	0.400	7.7%	< 30	74.1%	68.6%	50 - 150	
Metalaxyl	0.006	0.285	0.279	0.400	2.2%	< 30	70.0%	68.4%	50 - 150	
Methiocarb	0.002	0.246	0.225	0.400	8.7%	< 30	60.9%	55.8%	50 - 150	
Methomyl	0.000	0.661	0.559	0.800	16.8%	< 30	82.6%	69.9%	50 - 150	
MGK-264	0.000	0.091	0.092	0.400	0.6%	< 30	22.8%	22.9%	50 - 150	Q
Myclobutanil	0.000	0.305	0.302	0.400	0.8%	< 30	76.2%	75.6%	50 - 150	
Naled	0.002	0.599	0.547	1.000	9.0%	< 30	59.7%	54.6%	50 - 150	
Oxamyl	0.000	1.611	1.463	2.000	9.6%	< 30	80.5%	73.2%	50 - 150	
Paclobutrazole	0.004	0.565	0.534	0.800	5.7%	< 30	70.2%	66.3%	50 - 150	
Parathion-Methyl	0.000	0.508	0.547	0.400	7.4%	< 30	127.0%	136.7%	30 - 150	
Permethrin	0.000	0.327	0.294	0.400	10.8%	< 30	81.8%	73.5%	50 - 150	
Phosmet	0.000	0.290	0.272	0.400	6.6%	< 30	72.6%	67.9%	50 - 150	
Piperonyl butoxide	0.018	1.943	1.902	2.000	2.2%	< 30	96.3%	94.2%	50 - 150	
Prallethrin	0.000	0.330	0.319	0.400	3.4%	< 30	82.4%	79.6%	50 - 150	
Propiconazole	0.001	0.600	0.548	0.800	9.1%	< 30	74.8%	68.3%	50 - 150	
Propoxur	0.013	0.296	0.259	0.400	14.0%	< 30	70.8%	61.5%	50 - 150	
Pyrethrin (Summe)	0.101	0.426	0.410	0.488	5.1%	< 30	66.6%	63.3%	50 - 150	
Pyridaben	0.002	0.308	0.301	0.400	2.2%	< 30	76.5%	74.8%	50 - 150	
Spinosad	0.000	0.252	0.239	0.388	5.2%	< 30	64.8%	61.5%	50 - 150	
Spiromesifen	0.001	0.249	0.224	0.400	10.7%	< 30	62.0%	55.7%	50 - 150	
Spirotetramat	0.000	0.378	0.358	0.400	5.4%	< 30	94.5%	89.5%	50 - 150	
Spiroxamine	0.004	0.620	0.596	0.800	4.0%	< 30	77.1%	74.0%	50 - 150	

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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2507067

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,1-Dichloroethane	ND	<	1		1.02	1	µg/g	102.0	50-150	
1,2-Dichloroethene, trans-	ND	<	1		1.01	1	µg/g	101.0	50-150	
1,4-Dioxane	ND	<	100		441	496	µg/g	88.9	60-120	
1-Pentanol	ND	<	500		1580	1610	µg/g	98.1	50-150	
1-Propanol	ND	<	500		1460	1620	µg/g	90.1	50-150	
2,2-Dimethylbutane	ND	<	30		164	172	µg/g	95.3	60-120	
2,2-Dimethylpropane	ND	<	200		585	956	µg/g	61.2	60-120	
2,3-Dimethylbutane	ND	<	30		171	173	µg/g	98.8	60-120	
2-Butanol	ND	<	200		1600	1610	µg/g	99.4	60-120	
2-Ethoxyethanol	ND	<	30		166	177	µg/g	93.8	60-120	
2-methyl-1-propanol	ND	<	500		1160	1610	µg/g	72.0	50-150	
2-Methylbutane	ND	<	200		1610	1630	µg/g	98.8	60-120	
2-Methylpentane	ND	<	30		121	164	µg/g	73.8	60-120	
2-Propanol	ND	<	200		1550	1610	µg/g	96.3	60-120	
3-Methyl-1-butanol	ND	<	500		1390	1610	µg/g	86.3	50-150	
3-Methylpentane	ND	<	30		168	183	µg/g	91.8	60-120	
Acetone	ND	<	200		1560	1620	µg/g	96.3	60-120	
Acetonitrile	ND	<	100		492	493	µg/g	99.8	60-120	
Anisole	ND	<	500		1250	1620	µg/g	77.2	50-150	
Benzene	ND	<	1		0.913	1	µg/g	91.3	50-150	
Butane	ND	<	200		520	769	µg/g	67.6	60-120	
Butyl Acetate	ND	<	500		1600	1620	µg/g	98.8	50-150	
Carbon Tetrachloride	ND	<	1		0.85	1	µg/g	85.0	50-150	
Cumene	ND	<	30		150	174	µg/g	86.2	60-120	
Cyclohexane	ND	<	200		1460	1630	µg/g	89.6	60-120	
Dichloromethane	ND	<	1		0.955	1	µg/g	95.5	50-150	
Ethanol	ND	<	200		1630	1630	µg/g	100.0	60-120	
Ethyl acetate	ND	<	200		1570	1630	µg/g	96.3	60-120	
Ethyl Ether	ND	<	200		1550	1620	µg/g	95.7	60-120	
Ethylbenzene	ND	<	200		876	976	µg/g	89.8	60-120	
Ethylene Glycol	ND	<	200		407	484	µg/g	84.1	60-120	
Ethylene Oxide	ND	<	1		1.25	1	µg/g	125.0	50-150	
Heptane	ND	<	200		1560	1600	µg/g	97.5	60-120	
Hexane	ND	<	30		161	172	µg/g	93.6	60-120	
Isobutane	ND	<	200		519	770	µg/g	67.4	60-120	
Isopropyl Acetate	ND	<	200		1560	1610	µg/g	96.9	60-120	
m,p-Xylene	ND	<	200		873	988	µg/g	88.4	60-120	
Methanol	ND	<	200		1600	1650	µg/g	97.0	60-120	
Methylisobutylketone	ND	<	500		1430	1620	µg/g	88.3	50-150	
MTBE	ND	<	500		1340	1630	µg/g	82.2	50-150	
N,N-dimethylacetamide	ND	<	150		515	524	µg/g	98.3	50-150	
o-Xylene	ND	<	200		865	975	µg/g	88.7	60-120	
Pentane	ND	<	200		1590	1610	µg/g	98.8	60-120	
Propane	ND	<	200		414	585	µg/g	70.8	60-120	
Propyl Acetate	ND	<	500		1430	1600	µg/g	89.4	50-150	
Sulfolane	ND	<	50		121	165	µg/g	73.3	50-150	
Tetrahydrofuran	ND	<	100		450	486	µg/g	92.6	60-120	
Toluene	ND	<	100		428	485	µg/g	88.2	60-120	

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QC - Sample Duplicate **Sample ID: 25-010890-0001**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Carbon Tetrachloride	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

µg/g- Microgram per gram or ppm

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2507137

Method Blank				Laboratory Control Sample					
Analyte	**Result**	**LOQ**	**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	< 196		352	451	µg/g	***78%***	70 - 130	
Camphene	<LOQ	< 196		408	489	µg/g	***83%***	70 - 130	
Sabinene	<LOQ	< 196		332	451	µg/g	***74%***	70 - 130	
b-Pinene	<LOQ	< 196		349	451	µg/g	***77%***	70 - 130	
b-Myrcene	<LOQ	< 196		394	489	µg/g	***80%***	70 - 130	
a-phelllandrene	<LOQ	< 196		384	489	µg/g	***79%***	70 - 130	
d-3-Carene	<LOQ	< 196		474	489	µg/g	***97%***	70 - 130	
a-Terpinene	<LOQ	< 196		342	451	µg/g	***76%***	70 - 130	
p-Cymene	<LOQ	< 196		387	489	µg/g	***79%***	70 - 130	
D-Limonene	<LOQ	< 196		346	451	µg/g	***77%***	70 - 130	
Eucalyptol	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
b-cis-Ocimene	<LOQ	< 65		117	150	µg/g	***78%***	70 - 130	
b-trans-Ocimene	<LOQ	< 130		241	301	µg/g	***80%***	70 - 130	
g-Terpinene	<LOQ	< 196		334	451	µg/g	***74%***	70 - 130	
Sabinene_Hydrate	<LOQ	< 196		316	451	µg/g	***70%***	70 - 130	
Terpinolene	<LOQ	< 196		340	451	µg/g	***75%***	70 - 130	
D-Fenchone	<LOQ	< 196		325	451	µg/g	***72%***	70 - 130	
Linalool	<LOQ	< 196		313	489	µg/g	***64%***	70 - 130	**Q7**
Fenchol	<LOQ	< 196		312	451	µg/g	***69%***	70 - 130	**Q7**
Camphor	<LOQ	< 196		366	489	µg/g	***75%***	70 - 130	
Isopulego	<LOQ	< 196		335	489	µg/g	***68%***	70 - 130	**Q7**
Isoborneol	<LOQ	< 196		349	489	µg/g	***71%***	70 - 130	
Borneol	<LOQ	< 196		316	451	µg/g	***70%***	70 - 130	
DL-Menthol	<LOQ	< 196		321	489	µg/g	***66%***	70 - 130	**Q7**
Terpineol	<LOQ	< 196		332	451	µg/g	***74%***	70 - 130	
Nerol	<LOQ	< 196		263	489	µg/g	***54%***	70 - 130	**Q7**
Pulegone	<LOQ	< 196		323	451	µg/g	***72%***	70 - 130	
Gereniol	<LOQ	< 196		314	451	µg/g	***70%***	70 - 130	
Geranyl_Acetate	<LOQ	< 196		333	489	µg/g	***68%***	70 - 130	**Q7**
a-Cedrene	<LOQ	< 196		342	451	µg/g	***76%***	70 - 130	
b-Caryophyllene	<LOQ	< 196		385	489	µg/g	***79%***	70 - 130	
a-Humulene	<LOQ	< 196		390	451	µg/g	***86%***	70 - 130	
Valenene	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
cis-Nerolidol	<LOQ	< 196		369	489	µg/g	***75%***	70 - 130	
a-Farnesene	<LOQ	< 196		610	489	µg/g	***125%***	70 - 130	
trans-Nerolidol	<LOQ	< 196		317	451	µg/g	***70%***	70 - 130	
Caryophyllene_Oxide	<LOQ	< 196		345	489	µg/g	***70%***	70 - 130	
Guaiol	<LOQ	< 196		381	451	µg/g	***85%***	70 - 130	
Cedrol	<LOQ	< 196		370	489	µg/g	***76%***	70 - 130	
a-Bisabolol	<LOQ	< 196		390	489	µg/g	***80%***	70 - 130	

Definitions	
LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2507137

Sample/Sample Duplicate **Sample ID: 25-010938-0001**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-phelllandrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	62.8	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	126	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	188	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	188	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	188	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	188	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	188	µg/g	0%	< 20	
Gereniol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	188	µg/g	0%	< 20	
b-Caryophyllene	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	188	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	188	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	188	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	188	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	188	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	188	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	188	µg/g	0%	< 20	

Definitions

RPD	Relative Percent Difference
Q7	Quality control outside QC limits.

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Explanation of QC Flag Comments:

Code	Explanation
A	This analysis was performed on a VOA sample containing headspace.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.
B3	Dilution water blank of BOD was above the recommended limit; associated samples could be high biased.
CP	Client provided value.
CV	Calculated value.
E	Analyte concentration exceeds the calibration range, results are estimated.
E1	Estimated value.
E2	Estimated value. Matrix interference observed.
H	Holding time was exceeded.
J	Estimated value, above the detection limit and below the LOQ
I	Insufficient sample received to meet method requirements.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
LOQ3	< LOQ could be due to potential inhibition.
N1	See case narrative
P	Not preserved to the proper pH
P1	Storage temperature out of control
P2	Incubator temperature out of control
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
Q7	Quality control outside QC limits.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
RE	Re-extracted and/or re-analyzed.
REH	The original analysis was within holding time; re-analysis past holding time.
S	Surrogate recovery outside control limit.
T	Tentatively Identified Compound (TIC) by library search.
T1	Confirmed by secondary ion
W	Results are reported on dry weight basis.