Columbia LABORATORIES
A Tentamus Company

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

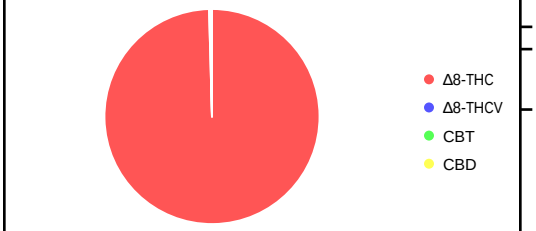
Report Number: 23-009673/D002.R000
Report Date: 08/21/2023
ORELAP#: OR100028
Purchase Order:
Received: 08/15/23 11:03

Customer: Bayou City Hemp Company
Product identity: CD26COLA-D8-CH11
Client/Metrc ID: .
Laboratory ID: 23-009673-0013

Summary

Potency:

Analyte	Result (%)
Δ8-THC	80.5
Δ8-THCV	0.195
CBT	0.0839
CBD	0.0701



CBD-Total	<LOQ
THC-Total	<LOQ

(Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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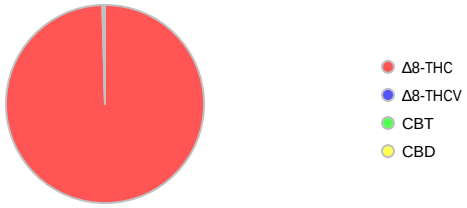
Customer: Bayou City Hemp Company
16700 Park Row
Houston Texas 77084
United States of America (USA)

Product identity: CD26COLA-D8-CH11
Client/Metrc ID: .
Sample Date:
Laboratory ID: 23-009673-0013
Evidence of Cooling: No
Temp: 27.2 °C
Relinquished by: client

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** % **Batch:** 2310117 **Analyze:** 8/16/23 11:34:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0676	
CBC	< LOQ		0.0676	
CBC-A	< LOQ		0.0676	
CBC-A	< LOQ		0.0676	
CBC-Total	< LOQ		0.127	
CBC-Total	< LOQ		0.127	
CBD	0.0701		0.0676	
CBD	0.0701		0.0676	
CBD-A	< LOQ		0.0676	
CBD-A	< LOQ		0.0676	
CBD-Total	< LOQ		0.127	
CBD-Total	< LOQ		0.127	
CBDV	< LOQ		0.0676	
CBDV	< LOQ		0.0676	
CBDV-A	< LOQ		0.0676	
CBDV-A	< LOQ		0.0676	
CBDV-Total	< LOQ		0.126	
CBDV-Total	< LOQ		0.126	
CBE	< LOQ		0.0676	
CBE	< LOQ		0.0676	
CBG	< LOQ		0.0676	
CBG	< LOQ		0.0676	
CBG-A	< LOQ		0.0676	
CBG-A	< LOQ		0.0676	
CBG-Total	< LOQ		0.126	
CBG-Total	< LOQ		0.126	
CBL	< LOQ		0.0676	
CBL	< LOQ		0.0676	
CBL-A	< LOQ		0.0676	
CBL-A	< LOQ		0.0676	
CBL-Total	< LOQ		0.127	



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Potency

Method: J AOAC 2015 V98-6 (mod)þ **Units** % **Batch:** 2310117 **Analyze:** 8/16/23 11:34:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBL-Total	< LOQ		0.127	
CBN	< LOQ		0.0676	
CBN	< LOQ		0.0676	
CBT	0.0839		0.0676	
CBT	0.0839		0.0676	
Δ10-THC-9R	< LOQ		0.0676	
Δ10-THC-9R	< LOQ		0.0676	
Δ10-THC-9S	< LOQ		0.0676	
Δ10-THC-9S	< LOQ		0.0676	
Δ10-THC-Total	< LOQ		0.135	
Δ10-THC-Total	< LOQ		0.135	
Δ8-THC	80.5		0.676	
Δ8-THC	80.5		0.676	
Δ8-THCV	0.195		0.0676	
Δ8-THCV	0.195		0.0676	
Δ9-THC	< LOQ		0.0676	
Δ9-THC	< LOQ		0.0676	
delta-9-THCP	< LOQ		0.0676	
delta-9-THCP	< LOQ		0.0676	
exo-THC	< LOQ		0.0676	
exo-THC	< LOQ		0.0676	
THC-A	< LOQ		0.0676	
THC-A	< LOQ		0.0676	
THC-Total	< LOQ		0.127	
THC-Total	< LOQ		0.127	
THCV	< LOQ		0.0676	
THCV	< LOQ		0.0676	
THCV-A	< LOQ		0.0676	
THCV-A	< LOQ		0.0676	
THCV-Total	< LOQ		0.126	
THCV-Total	< LOQ		0.126	
Total Cannabinoids	80.8			
Total Cannabinoids	80.8			

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2310050	08/18/23	AOAC 991.14 (Petrifilm)þ		
Total Coliforms	< LOQ		cfu/g	10	2310050	08/18/23	AOAC 991.14 (Petrifilm)þ		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2310051	08/18/23	AOAC 2014.05 (RAPID)þ		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2310051	08/18/23	AOAC 2014.05 (RAPID)þ		

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Solvents **Method:** Residual Solvents by GC/MS^{b} **Units** µg/g **Batch** 2310111 **Analyze** 08/17/23 12:54 PM

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	

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Pesticides

Method: AOAC 2007.01 & EN 15662 (mod)þ **Units** mg/kg **Batch** 2310069 **Analyze** 08/16/23 01:11 PM

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¥	< LOQ	0.20	0.100	pass	
Clofentezine¥	< LOQ	0.20	0.100	pass		Cyfluthrin¥	< LOQ	1.0	0.500	pass	
Cypermethrin¥	< LOQ	1.0	0.500	pass		Daminozide¥	< LOQ	1.0	0.500	pass	
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	0.0770	2310146	08/17/23	AOAC 2013.06 (mod.)þ	pass	
Cadmium¥	< LOQ	0.200	mg/kg	0.0770	2310146	08/17/23	AOAC 2013.06 (mod.)þ	pass	
Lead¥	< LOQ	0.500	mg/kg	0.0770	2310146	08/17/23	AOAC 2013.06 (mod.)þ	pass	
Mercury¥	< LOQ	0.100	mg/kg	0.0385	2310146	08/17/23	AOAC 2013.06 (mod.)þ	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.

ᵇ = ISO/IEC 17025:2017 accredited method.
¥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram
µg/g = Microgram per gram
mg/kg = Milligram per kilogram = parts per million (ppm)
% = Percentage of sample
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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Revision: 3 Document ID: 3120
LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 &EN 15662			Units: mg/Kg				Batch ID: 2310069		
Method Blank				Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits		Notes
Abamectin	0.000	< 0.250		0.922	1.000	92.2	50.0	150	
Acephate	0.031	< 0.200		0.702	0.800	87.8	60.0	120	
Acequinocyl	0.000	< 1.000		3.482	4.000	87.1	40.0	160	
Acetamiprid	0.000	< 0.100		0.372	0.400	93.0	60.0	120	
Aldicarb	0.000	< 0.200		0.746	0.800	93.3	60.0	120	
Azoxystrobin	0.011	< 0.100		0.374	0.400	93.6	60.0	120	
Bifenazate	0.000	< 0.100		0.383	0.400	95.7	60.0	120	
Bifenthrin	0.000	< 0.100		0.334	0.400	83.5	50.0	150	
Boscalid	0.000	< 0.200		0.710	0.800	88.8	60.0	120	
Carbaryl	0.000	< 0.100		0.378	0.400	94.5	60.0	120	
Carbofuran	0.011	< 0.100		0.371	0.400	92.7	60.0	120	
Chlorantraniliprole	0.005	< 0.100		0.356	0.400	89.1	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.889	2.000	94.5	60.0	120	
Chlorpyrifos	0.006	< 0.100		0.411	0.400	102.8	60.0	120	
Clofentezine	0.016	< 0.100		0.364	0.400	90.9	60.0	120	
Cyfluthrin	0.000	< 0.500		2.233	2.000	111.7	50.0	150	
Cypermethrin	0.000	< 0.500		1.799	2.000	89.9	50.0	150	
Daminozide	0.249	< 0.500		2.016	2.000	100.8	60.0	120	
Diazinon	0.000	< 0.100		0.370	0.400	92.4	60.0	120	
Dichlorvos	0.093	< 0.500		1.999	2.000	99.9	60.0	120	
Dimethoate	0.000	< 0.100		0.367	0.400	91.8	60.0	120	
Ethoprophos	0.000	< 0.100		0.378	0.400	94.6	60.0	120	
Etofenprox	0.000	< 0.200		0.734	0.800	91.7	50.0	150	
Etoxazole	0.013	< 0.100		0.371	0.400	92.7	60.0	120	
Fenoxycarb	0.001	< 0.100		0.380	0.400	95.0	60.0	120	
Fenpyroximate	0.001	< 0.200		0.735	0.800	91.8	60.0	120	
Fipronil	0.000	< 0.200		0.727	0.800	90.9	60.0	120	
Flonicamid	0.000	< 0.250		0.893	1.000	89.3	60.0	120	
Fludioxonil	0.000	< 0.200		0.795	0.800	99.4	50.0	150	
Hexythiazox	0.032	< 0.250		0.929	1.000	92.9	60.0	120	
Imazalil	0.019	< 0.100		0.371	0.400	92.8	60.0	120	
Imidacloprid	0.037	< 0.200		0.692	0.800	86.5	60.0	120	
Kresoxim-methyl	0.000	< 0.200		0.789	0.800	98.7	60.0	120	
Malathion	0.000	< 0.100		0.380	0.400	94.9	60.0	120	
Metalaxyl	0.000	< 0.100		0.374	0.400	93.4	60.0	120	
Methiocarb	0.026	< 0.100		0.374	0.400	93.5	60.0	120	
Methomyl	0.000	< 0.200		0.698	0.800	87.2	60.0	120	
MGK-264	0.000	< 0.100		0.325	0.400	81.4	50.0	150	
Myclobutanil	0.028	< 0.100		0.370	0.400	92.6	60.0	120	
Naled	0.000	< 0.250		0.920	1.000	92.0	50.0	150	
Oxamyl	0.000	< 0.500		1.666	2.000	83.3	60.0	120	
Paclobutrazole	0.000	< 0.200		0.735	0.800	91.9	60.0	120	
Parathion-Methyl	0.000	< 0.100		0.379	0.400	94.8	50.0	150	
Permethrin	0.000	< 0.100		0.349	0.400	87.3	50.0	150	
Phosmet	0.000	< 0.100		0.385	0.400	96.2	50.0	150	
Piperonyl butoxide	0.008	< 0.500		1.882	2.000	94.1	60.0	120	
Prallethrin	0.017	< 0.100		0.410	0.400	102.4	60.0	120	
Propiconazole	0.000	< 0.200		0.711	0.800	88.9	60.0	120	
Propoxur	0.010	< 0.100		0.372	0.400	93.1	60.0	120	
Pyrethrin (Summe)	0.027	< 0.100		0.459	0.488	94.1	60.0	120	
Pyridaben	0.000	< 0.100		0.372	0.400	93.0	50.0	150	
Spinosad	0.000	< 0.100		0.357	0.388	92.0	50.0	150	
Spiromesifen	0.000	< 0.100		0.379	0.400	94.6	60.0	120	
Spirotetramat	0.000	< 0.100		0.386	0.400	96.5	60.0	120	
Spiroxamine	0.000	< 0.200		0.759	0.800	94.9	60.0	120	
Tebuconazole	0.000	< 0.200		0.754	0.800	94.2	60.0	120	
Thiadoprid	0.000	< 0.100		0.363	0.400	90.7	60.0	120	
Thiamethoxam	0.000	< 0.100		0.384	0.400	96.1	60.0	120	
Trifloxystrobin	0.000	< 0.100		0.378	0.400	94.4	60.0	120	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 &EN 15662			Units: mg/Kg						Batch ID: 2310069			
Matrix Spike/Matrix Spike Duplicate Recoveries								Sample ID: 23-0096730013				
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits			Notes
Abamectin	0.000	0.893	0.959	1.000	7.0%	< 30	89.3%	95.9%	50	-	150	
Acephate	0.000	0.526	0.643	0.800	20.0%	< 30	65.8%	80.4%	50	-	150	
Acequinocyl	0.000	3.776	4.157	4.000	9.6%	< 30	94.4%	103.9%	50	-	150	
Acetamiprid	0.000	0.367	0.370	0.400	0.6%	< 30	91.9%	92.4%	50	-	150	
Aldicarb	0.000	0.754	0.762	0.800	1.1%	< 30	94.2%	95.2%	50	-	150	
Azoxystrobin	0.009	0.368	0.377	0.400	2.3%	< 30	89.9%	92.0%	50	-	150	
Bifenazate	0.000	0.377	0.390	0.400	3.5%	< 30	94.1%	97.5%	50	-	150	
Bifenthrin	0.014	0.383	0.392	0.400	2.4%	< 30	92.2%	94.5%	50	-	150	
Boscalid	0.073	0.783	0.699	0.800	12.5%	< 30	88.8%	78.3%	50	-	150	
Carbaryl	0.000	0.364	0.373	0.400	2.4%	< 30	91.0%	93.2%	50	-	150	
Carbofuran	0.009	0.354	0.359	0.400	1.6%	< 30	86.1%	87.5%	50	-	150	
Chlorantraniliprole	0.008	0.331	0.374	0.400	12.6%	< 30	80.7%	91.6%	50	-	150	
Chlorfenapyr	0.000	0.684	0.803	2.000	16.0%	< 30	34.2%	40.1%	50	-	150	Q
Chlorpyrifos	0.008	0.391	0.380	0.400	3.0%	< 30	95.8%	93.0%	50	-	150	
Clofentezine	0.014	0.326	0.351	0.400	7.8%	< 30	78.0%	84.3%	50	-	150	
Cyfluthrin	0.000	1.438	1.569	2.000	8.7%	< 30	71.9%	78.4%	30	-	150	
Cypermethrin	0.000	1.483	1.649	2.000	10.6%	< 30	74.1%	82.5%	50	-	150	
Daminozide	0.198	1.981	1.939	2.000	2.3%	< 30	89.1%	87.1%	30	-	150	
Diazinon	0.026	0.378	0.355	0.400	6.8%	< 30	88.1%	82.4%	50	-	150	
Dichlorvos	0.081	1.863	1.904	2.000	2.3%	< 30	89.1%	91.2%	50	-	150	
Dimethoate	0.019	0.384	0.353	0.400	8.9%	< 30	91.3%	83.5%	50	-	150	
Ethoprophos	0.001	0.357	0.382	0.400	6.9%	< 30	88.9%	95.3%	50	-	150	
Etofenprox	0.000	0.761	0.762	0.800	0.1%	< 30	95.1%	95.2%	50	-	150	
Etoxazole	0.008	0.327	0.332	0.400	1.5%	< 30	79.8%	81.0%	50	-	150	
Fenoxycarb	0.000	0.365	0.369	0.400	1.0%	< 30	91.3%	92.2%	50	-	150	
Fenpyroximate	0.000	0.564	0.616	0.800	8.7%	< 30	70.6%	77.0%	50	-	150	
Fipronil	0.000	0.655	0.662	0.800	1.0%	< 30	81.9%	82.7%	50	-	150	
Flonicamid	0.000	0.934	0.905	1.000	3.1%	< 30	93.4%	90.5%	50	-	150	
Fludioxonil	0.000	0.757	0.770	0.800	1.8%	< 30	94.6%	96.2%	50	-	150	
Hexythiazox	0.000	0.327	0.357	1.000	8.7%	< 30	32.7%	35.7%	50	-	150	Q
Imazalil	0.016	0.369	0.356	0.400	3.6%	< 30	88.1%	85.0%	50	-	150	
Imidacloprid	0.031	0.714	0.706	0.800	1.2%	< 30	85.4%	84.4%	50	-	150	
Kresoxim-methyl	0.000	0.720	0.703	0.800	2.5%	< 30	90.0%	87.9%	50	-	150	
Malathion	0.000	0.361	0.359	0.400	0.6%	< 30	90.3%	89.8%	50	-	150	
Metalaxyl	0.004	0.379	0.376	0.400	0.6%	< 30	93.7%	93.1%	50	-	150	
Methiocarb	0.028	0.383	0.381	0.400	0.4%	< 30	88.6%	88.3%	50	-	150	
Methomyl	0.000	0.730	0.726	0.800	0.6%	< 30	91.3%	90.7%	50	-	150	
MGK-264	0.000	0.299	0.338	0.400	12.5%	< 30	74.6%	84.6%	50	-	150	
Myclobutanil	0.019	0.364	0.372	0.400	2.5%	< 30	86.2%	88.4%	50	-	150	
Naled	0.000	0.875	0.918	1.000	4.8%	< 30	87.5%	91.8%	50	-	150	
Oxamyl	0.000	1.897	1.860	2.000	2.0%	< 30	94.9%	93.0%	50	-	150	
Padobutrazole	0.000	0.718	0.756	0.800	5.2%	< 30	89.7%	94.5%	50	-	150	
Parathion-Methyl	0.000	0.312	0.461	0.400	38.7%	< 30	78.0%	115.3%	30	-	150	R
Permethrin	0.000	0.396	0.385	0.400	2.7%	< 30	98.9%	96.3%	50	-	150	
Phosmet	0.000	0.360	0.378	0.400	4.9%	< 30	90.1%	94.6%	50	-	150	
Piperonyl butoxide	0.005	1.600	1.720	2.000	7.2%	< 30	79.8%	85.7%	50	-	150	
Prallethrin	0.000	0.290	0.296	0.400	1.9%	< 30	72.6%	74.0%	50	-	150	
Propiconazole	0.000	0.596	0.657	0.800	9.6%	< 30	74.5%	82.1%	50	-	150	
Propoxur	0.009	0.368	0.368	0.400	0.2%	< 30	89.8%	89.9%	50	-	150	
Pyrethrin (Summe)	0.021	0.527	0.546	0.488	3.7%	< 30	103.7%	107.6%	50	-	150	
Pyridaben	0.000	0.463	0.449	0.400	2.9%	< 30	115.6%	112.3%	50	-	150	
Spinosad	0.000	0.379	0.396	0.388	4.4%	< 30	97.7%	102.1%	50	-	150	
Spiromesifen	0.000	0.443	0.432	0.400	2.5%	< 30	110.7%	108.0%	50	-	150	
Spirotetramat	0.000	0.369	0.376	0.400	1.8%	< 30	92.2%	93.9%	50	-	150	
Spiroxamine	0.000	0.760	0.744	0.800	2.2%	< 30	95.0%	92.9%	50	-	150	
Tebuconazole	0.000	0.716	0.652	0.800	9.4%	< 30	89.5%	81.5%	50	-	150	
Thiadoprid	0.000	0.354	0.355	0.400	0.2%	< 30	88.5%	88.7%	50	-	150	
Thiamethoxam	0.000	0.394	0.356	0.400	10.1%	< 30	98.4%	88.9%	50	-	150	
Trifloxystrobin	0.000	0.206	0.223	0.400	8.1%	< 30	51.4%	55.8%	50	-	150	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 23-009673/D002.R000
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Laboratory Quality Control Results

Residual Solvents — Batch ID: 2310111

Analyte	Method Blank Result		LOQ	Notes	Laboratory Control Sample Result	Spike	Units	%Rec	Limits		Notes
Propane	ND	<	200		486	584	µg/g	83.2	60	- 120	
Isobutane	ND	<	200		695	767	µg/g	90.6	60	- 120	
Butane	ND	<	200		682	782	µg/g	87.2	60	- 120	
2,2-Dimethylpropane	ND	<	200		794	939	µg/g	84.6	60	- 120	
Methanol	ND	<	200		1550	1670	µg/g	92.8	60	- 120	
Ethylene Oxide	ND	<	30		50	57.1	µg/g	87.6	60	- 120	
2-Methylbutane	ND	<	200		1430	1680	µg/g	85.1	60	- 120	
Pentane	ND	<	200		1400	1670	µg/g	83.8	60	- 120	
Ethanol	ND	<	200		1500	1660	µg/g	90.4	70	- 130	
Ethyl Ether	ND	<	200		1430	1670	µg/g	85.6	60	- 120	
2,2-Dimethylbutane	ND	<	30		169	189	µg/g	89.4	60	- 120	
Acetone	ND	<	200		1450	1670	µg/g	86.8	60	- 120	
2-Propanol	ND	<	200		1430	1630	µg/g	87.7	60	- 120	
Ethyl Formate	ND	<	500		4530	1600	µg/g	283.1	70	- 130	Q6
Acetonitrile	ND	<	100		412	492	µg/g	83.7	60	- 120	
Methyl Acetate	ND	<	500		1560	1600	µg/g	97.5	70	- 130	
2,3-Dimethylbutane	ND	<	30		152	180	µg/g	84.4	60	- 120	
Dichloromethane	ND	<	60		427	488	µg/g	87.5	60	- 120	
2-Methylpentane	ND	<	30		155	182	µg/g	85.2	60	- 120	
MTBE	ND	<	500		1590	1610	µg/g	98.8	70	- 130	
3-Methylpentane	ND	<	30		159	177	µg/g	89.8	60	- 120	
Hexane	ND	<	30		150	177	µg/g	84.7	60	- 120	
1-Propanol	ND	<	500		1640	1600	µg/g	102.5	70	- 130	
Methylethylketone	ND	<	500		1530	1610	µg/g	95.0	70	- 130	
Ethyl acetate	ND	<	200		1370	1630	µg/g	84.0	60	- 120	
2-Butanol	ND	<	200		1400	1630	µg/g	85.9	60	- 120	
Tetrahydrofuran	ND	<	100		417	488	µg/g	85.5	60	- 120	
Cyclohexane	ND	<	200		1380	1610	µg/g	85.7	60	- 120	
2-methyl-1-propanol	ND	<	500		1710	1610	µg/g	106.2	70	- 130	
Benzene	ND	<	1		3.58	4.79	µg/g	74.7	60	- 120	
Isopropyl Acetate	ND	<	200		1380	1650	µg/g	83.6	60	- 120	
Heptane	ND	<	200		1350	1630	µg/g	82.8	60	- 120	
1-Butanol	ND	<	500		1770	1600	µg/g	110.6	70	- 130	
Propyl Acetate	ND	<	500		1580	1600	µg/g	98.8	70	- 130	
1,4-Dioxane	ND	<	100		439	523	µg/g	83.9	60	- 120	
2-Ethoxyethanol	ND	<	30		146	179	µg/g	81.6	60	- 120	
Methylisobutylketone	ND	<	500		1610	1600	µg/g	100.6	70	- 130	
3-Methyl-1-butanol	ND	<	500		1710	1600	µg/g	106.9	70	- 130	
Ethylene Glycol	ND	<	200		319	506	µg/g	63.0	60	- 120	
Toluene	ND	<	100		428	496	µg/g	86.3	60	- 120	
Isobutyl Acetate	ND	<	500		1610	1610	µg/g	100.0	70	- 130	
1-Pentanol	ND	<	500		1860	1600	µg/g	116.3	70	- 130	
Butyl Acetate	ND	<	500		1610	1610	µg/g	100.0	70	- 130	
Ethylbenzene	ND	<	200		794	978	µg/g	81.2	60	- 120	
m,p-Xylene	ND	<	200		801	994	µg/g	80.6	60	- 120	
o-Xylene	ND	<	200		797	982	µg/g	81.2	60	- 120	
Cumene	ND	<	30		131	171	µg/g	76.6	60	- 120	
Anisole	ND	<	500		1760	1600	µg/g	110.0	70	- 130	
DMSO	ND	<	500		1400	1620	µg/g	86.4	70	- 130	
1,2-dimethoxyethane	ND	<	50		173	186	µg/g	93.0	70	- 130	
Triethylamine	ND	<	500		1430	1600	µg/g	89.4	70	- 130	
N,N-dimethylformamide	ND	<	150		483	480	µg/g	100.6	70	- 130	
N,N-dimethylacetamide	ND	<	150		478	483	µg/g	99.0	70	- 130	
Pyridine	ND	<	50		161	168	µg/g	95.8	70	- 130	
Sulfolane	ND	<	50		164	161	µg/g	101.9	70	- 130	
1,2-Dichloroethane	ND	<	1		0.837	1	µg/g	83.7	70	- 130	
Chloroform	ND	<	1		0.951	1	µg/g	95.1	70	- 130	
Trichloroethylene	ND	<	1		0.926	1	µg/g	92.6	70	- 130	
1,1-Dichloroethane	ND	<	1		0.758	1	µg/g	75.8	70	- 130	

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Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/ Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	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
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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

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Laboratory Quality Control Results

JAOAC 2015 V98-6 Batch ID: 2310117

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	%Rec	Limits	Evaluation	Notes
CBDVA	2	0.0761	0.0718	%	106	80.0 - 120	Acceptable	
CBDV	2	0.0742	0.0708	%	105	80.0 - 120	Acceptable	
CBE	2	0.0840	0.0805	%	104	80.0 - 120	Acceptable	
CBDA	1	0.0790	0.0776	%	102	90.0 - 110	Acceptable	
CBGA	1	0.0781	0.0774	%	101	80.0 - 120	Acceptable	
CBG	1	0.0811	0.0794	%	102	80.0 - 120	Acceptable	
CBD	1	0.0829	0.0812	%	102	90.0 - 110	Acceptable	
THCV	2	0.0520	0.0513	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.0622	0.0627	%	99.1	80.0 - 120	Acceptable	
THCVA	2	0.0815	0.0715	%	114	80.0 - 120	Acceptable	
CBN	1	0.0789	0.0810	%	97.4	80.0 - 120	Acceptable	
exo-THC	2	0.0706	0.0718	%	98.3	80.0 - 120	Acceptable	
d9THC	1	0.0769	0.0796	%	96.7	90.0 - 110	Acceptable	
d8THC	1	0.0713	0.0750	%	95.0	90.0 - 110	Acceptable	
9S-d10THC	1	0.0772	0.0816	%	94.5	80.0 - 120	Acceptable	
CBL	2	0.0719	0.0718	%	100	80.0 - 120	Acceptable	
9R-d10THC	1	0.0701	0.0745	%	94.1	80.0 - 120	Acceptable	
CBC	2	0.0711	0.0736	%	96.7	80.0 - 120	Acceptable	
THCA	1	0.0720	0.0763	%	94.3	90.0 - 110	Acceptable	
CBCA	2	0.0794	0.0750	%	106	80.0 - 120	Acceptable	
CBLA	2	0.121	0.115	%	105	80.0 - 120	Acceptable	
d9THCP	2	0.0688	0.0746	%	92.2	80.0 - 120	Acceptable	
CBT	2	0.0613	0.0725	%	84.5	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBDV	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBE	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBDA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBGA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBG	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBD	<LOQ	0.0698	%	< 0.0698	Acceptable	
THCV	<LOQ	0.0698	%	< 0.0698	Acceptable	
d8THCV	<LOQ	0.0698	%	< 0.0698	Acceptable	
THCVA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBN	<LOQ	0.0698	%	< 0.0698	Acceptable	
exo-THC	<LOQ	0.0698	%	< 0.0698	Acceptable	
d9THC	<LOQ	0.0698	%	< 0.0698	Acceptable	
d8THC	<LOQ	0.0698	%	< 0.0698	Acceptable	
9S-d10THC	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBL	<LOQ	0.0698	%	< 0.0698	Acceptable	
9R-d10THC	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBC	<LOQ	0.0698	%	< 0.0698	Acceptable	
THCA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBCA	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBLA	<LOQ	0.0698	%	< 0.0698	Acceptable	
d9THCP	<LOQ	0.0698	%	< 0.0698	Acceptable	
CBT	<LOQ	0.0698	%	< 0.0698	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 Quality Control Results

JAOAC 2015 V98-6 Batch ID: 2310117
Sample Duplicate Sample ID: 23-009667-0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBDV	0.345	0.344	0.0755	%	0.194	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBG	0.162	0.161	0.0755	%	0.577	< 20	Acceptable	
CBD	93.6	95.2	0.0755	%	1.63	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
d9THC	0.181	0.179	0.0755	%	1.28	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBC	0.160	0.156	0.0755	%	2.67	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0755	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0755	%	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

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

Report Number:	23-009673/D002.R000
Report Date:	08/21/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	08/15/23 11:03

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Explanation of QC Flag Comments:

Code	Explanation
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.
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.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
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.