Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-012186/D004.R001
Report Date: 12/16/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/10/22 10:10

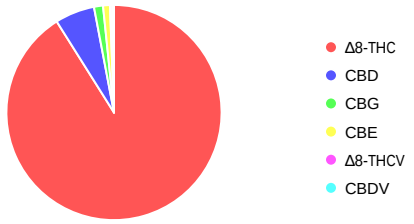
This is an amended version of report# 22-012186/D004.R000.
Reason: Updated customer information.

Customer: TribeTokes
Product identity: D8 BLUD
Project Number: CBD100322
Client/Metrc ID: .
Laboratory ID: 22-012186-0009

Summary

Potency:

Analyte	Result (%)
Δ8-THC	75.8
CBD	4.95
CBG	1.13
CBE	0.857
Δ8-THCV	0.270
CBDV	0.232



CBD-Total 4.95%

THC-Total <LOQ

(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Heptane	1740	5000	pass

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

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Customer: TribeTokes
3505 Cadillac Ave BLDG E
Costa Mesa 92626
United States of America (USA)

Product identity: D8 BLUD
Project Number: CBD100322
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-012186-0009
Evidence of Cooling: No
Temp: 21 °C
Relinquished by: UPS

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** % **Batch:** 2208681 **Analyze:** 10/12/22 9:50:00 AM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0729	
CBC-A	< LOQ		0.0729	
CBC-Total	< LOQ		0.137	
CBD	4.95		0.0729	
CBD-A	< LOQ		0.0729	
CBD-Total	4.95		0.137	
CBDV	0.232		0.0729	
CBDV-A	< LOQ		0.0729	
CBDV-Total	0.232		0.136	
CBE	0.857		0.0729	
CBG	1.13		0.0729	
CBG-A	< LOQ		0.0729	
CBG-Total	1.13		0.136	
CBL	< LOQ		0.0729	
CBL-A	< LOQ		0.0729	
CBL-Total	< LOQ		0.137	
CBN	< LOQ		0.0729	
CBT	< LOQ		0.0729	
Δ10-THC	< LOQ		0.0729	
Δ8-THC	75.8		0.729	
Δ8-THCV	0.270		0.0729	
Δ9-THC	< LOQ		0.0729	
exo-THC	< LOQ		0.0729	
THC-A	< LOQ		0.0729	
THC-Total	< LOQ		0.137	
THCV	< LOQ		0.0729	
THCV-A	< LOQ		0.0729	
THCV-Total	< LOQ		0.136	
Total Cannabinoids	83.2			

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Solvents **Method:** Residual Solvents by GC/MS^{b} **Units** µg/g **Batch** 2208661 **Analyze** 10/12/22 11:45 AM

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	1740	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** 2208761 **Analyze** 10/14/22 10:49 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin[¥]	< LOQ	0.50	0.250	pass		Acephate[¥]	< LOQ	0.40	0.250	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	0.200	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	0.200	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	0.0826	2208721	10/12/22	AOAC 2013.06 (mod.)[þ]	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0826	2208721	10/12/22	AOAC 2013.06 (mod.)[þ]	pass	
Lead	< LOQ	0.500	mg/kg	0.0826	2208721	10/12/22	AOAC 2013.06 (mod.)[þ]	pass	
Mercury	< LOQ	0.100	mg/kg	0.0413	2208721	10/12/22	AOAC 2013.06 (mod.)[þ]	pass	

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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B2¥	< LOQ		µg/kg	5.00	2208731	10/13/22	AOAC 2007.01 & EN 15662 (mod)þ		
Aflatoxin B1¥	< LOQ		µg/kg	5.00	2208731	10/13/22	AOAC 2007.01 & EN 15662 (mod)þ		
Aflatoxin G1¥	< LOQ		µg/kg	5.00	2208731	10/13/22	AOAC 2007.01 & EN 15662 (mod)þ		
Aflatoxin G2¥	< LOQ		µg/kg	5.00	2208731	10/13/22	AOAC 2007.01 & EN 15662 (mod)þ		
Ochratoxin A¥	< LOQ	20.0	µg/kg	5.00	2208731	10/13/22	AOAC 2007.01 & EN 15662 (mod)þ	pass	
Total Aflatoxins¥	0.000	20.0	µg/kg	20.0		10/14/22	AOAC 2007.01 & EN 15662 (mod)þ	pass	

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These test results are representative of the individual sample selected and submitted by the client.

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

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
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2208661

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		493	572	µg/g	86.2	60	-	120	
Isobutane	ND	<	200		582	731	µg/g	79.6	60	-	120	
Butane	ND	<	200		575	731	µg/g	78.7	60	-	120	
2,2-Dimethylpropane	ND	<	200		877	936	µg/g	93.7	60	-	120	
Methanol	ND	<	200		1710	1650	µg/g	103.6	60	-	120	
Ethylene Oxide	ND	<	30		54.3	56.2	µg/g	96.6	60	-	120	
2-Methylbutane	ND	<	200		1580	1650	µg/g	95.8	60	-	120	
Pentane	ND	<	200		1600	1650	µg/g	97.0	60	-	120	
Ethanol	ND	<	200		1610	1660	µg/g	97.0	70	-	130	
Ethyl Ether	ND	<	200		1530	1630	µg/g	93.9	60	-	120	
2,2-Dimethylbutane	ND	<	30		173	189	µg/g	91.5	60	-	120	
Acetone	ND	<	200		1640	1650	µg/g	99.4	60	-	120	
2-Propanol	ND	<	200		1610	1650	µg/g	97.6	60	-	120	
Ethyl Formate	ND	<	500		1420	1610	µg/g	88.2	70	-	130	
Acetonitrile	ND	<	100		490	504	µg/g	97.2	60	-	120	
Methyl Acetate	ND	<	500		1620	1630	µg/g	99.4	70	-	130	
2,3-Dimethylbutane	ND	<	30		168	174	µg/g	96.6	60	-	120	
Dichloromethane	ND	<	60		467	521	µg/g	89.6	60	-	120	
2-Methylpentane	ND	<	30		165	187	µg/g	88.2	60	-	120	
MTBE	ND	<	500		1560	1600	µg/g	97.5	70	-	130	
3-Methylpentane	ND	<	30		176	188	µg/g	93.6	60	-	120	
Hexane	ND	<	30		176	182	µg/g	96.7	60	-	120	
1-Propanol	ND	<	500		1560	1610	µg/g	96.9	70	-	130	
Methylethylketone	ND	<	500		1520	1600	µg/g	95.0	70	-	130	
Ethyl acetate	ND	<	200		1580	1630	µg/g	96.9	60	-	120	
2-Butanol	ND	<	200		1530	1630	µg/g	93.9	60	-	120	
Tetrahydrofuran	ND	<	100		455	506	µg/g	89.9	60	-	120	
Cyclohexane	ND	<	200		1480	1640	µg/g	90.2	60	-	120	
2-methyl-1-propanol	ND	<	500		1530	1620	µg/g	94.4	70	-	130	
Benzene	ND	<	1		4.3	4.93	µg/g	87.2	60	-	120	
Isopropyl Acetate	ND	<	200		1590	1640	µg/g	97.0	60	-	120	
Heptane	ND	<	200		1580	1630	µg/g	96.9	60	-	120	
1-Butanol	ND	<	500		1600	1600	µg/g	100.0	70	-	130	
Propyl Acetate	ND	<	500		1610	1620	µg/g	99.4	70	-	130	
1,4-Dioxane	ND	<	100		426	493	µg/g	86.4	60	-	120	
2-Ethoxyethanol	ND	<	30		173	171	µg/g	101.2	60	-	120	
Methylisobutylketone	ND	<	500		1600	1620	µg/g	98.8	70	-	130	
3-Methyl-1-butanol	ND	<	500		1610	1610	µg/g	100.0	70	-	130	
Ethylene Glycol	ND	<	200		443	494	µg/g	89.7	60	-	120	
Toluene	ND	<	100		435	506	µg/g	86.0	60	-	120	
Isobutyl Acetate	ND	<	500		1640	1620	µg/g	101.2	70	-	130	
1-Pentanol	ND	<	500		1660	1610	µg/g	103.1	70	-	130	
Butyl Acetate	ND	<	500		1670	1610	µg/g	103.7	70	-	130	
Ethylbenzene	ND	<	200		867	996	µg/g	87.0	60	-	120	
m,p-Xylene	ND	<	200		885	1010	µg/g	87.6	60	-	120	
o-Xylene	ND	<	200		854	979	µg/g	87.2	60	-	120	
Cumene	ND	<	30		160	188	µg/g	85.1	60	-	120	
Anisole	ND	<	500		1530	1610	µg/g	95.0	70	-	130	
DMSO	ND	<	500		1520	1600	µg/g	95.0	70	-	130	
1,2-dimethoxyethane	ND	<	50		189	190	µg/g	99.5	70	-	130	
Triethylamine	ND	<	500		1550	1610	µg/g	96.3	70	-	130	
N,N-dimethylformamide	ND	<	150		518	496	µg/g	104.4	70	-	130	
N,N-dimethylacetamide	ND	<	150		482	483	µg/g	99.8	70	-	130	
Pyridine	ND	<	50		155	167	µg/g	92.8	70	-	130	
1,2-Dichloroethane	ND	<	1		1.04	1	µg/g	104.0	70	-	130	
Chloroform	ND	<	1		1.01	1	µg/g	101.0	70	-	130	
Trichloroethylene	ND	<	1		1.01	1	µg/g	101.0	70	-	130	
1,1-Dichloroethane	ND	<	1		0.96	1	µg/g	96.0	70	-	130	

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QC - Sample Duplicate **Sample ID: 22-012140-0001**

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	
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
A Tentamus Company

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

Report Number: 22-012186/D004.R001
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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2208681**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.114	0.103	%	110	80.0 - 120	Acceptable	
CBDV	2	0.120	0.110	%	110	80.0 - 120	Acceptable	
CBE	2	0.115	0.105	%	110	80.0 - 120	Acceptable	
CBDA	1	0.0972	0.100	%	96.8	90.0 - 110	Acceptable	
CBGA	1	0.0983	0.101	%	97.7	80.0 - 120	Acceptable	
CBG	1	0.102	0.103	%	99.0	80.0 - 120	Acceptable	
CBD	1	0.102	0.103	%	98.9	90.0 - 110	Acceptable	
THCV	2	0.123	0.113	%	109	80.0 - 120	Acceptable	
d8THCV	2	0.121	0.110	%	109	80.0 - 120	Acceptable	
THCVA	2	0.111	0.101	%	110	80.0 - 120	Acceptable	
CBN	1	0.101	0.101	%	99.6	90.0 - 110	Acceptable	
exo-THC	2	0.111	0.103	%	109	80.0 - 120	Acceptable	
d9THC	1	0.104	0.104	%	100	90.0 - 110	Acceptable	
d8THC	1	0.106	0.100	%	106	90.0 - 110	Acceptable	
CBL	2	0.108	0.099	%	110	80.0 - 120	Acceptable	
d10THC	1	0.0939	0.096	%	98.1	80.0 - 120	Acceptable	
CBC	2	0.120	0.108	%	111	80.0 - 120	Acceptable	
THCA	1	0.0965	0.099	%	97.0	90.0 - 110	Acceptable	
CBCA	2	0.116	0.105	%	110	80.0 - 120	Acceptable	
CBLA	2	0.0613	0.056	%	109	80.0 - 120	Acceptable	
CBT	2	0.122	0.112	%	109	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
d10THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	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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A Tentamus Company

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2208681**

Sample Duplicate Sample ID: **22-012177-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBDV	0.283	0.289	0.0077	%	1.98	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBG	1.23	1.23	0.0077	%	0.136	< 20	Acceptable	
CBD	58.2	57.6	0.0077	%	1.15	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBN	0.356	0.355	0.0077	%	0.517	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d9THC	1.15	1.15	0.0077	%	0.135	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBC	2.32	2.19	0.0077	%	5.62	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBT	0.631	0.626	0.0077	%	0.829	< 20	Acceptable	

Abbreviations

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

Units of Measure:

Columbia LABORATORIES
A Tentamus Company

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2208761

Method Blank				Laboratory Control Sample					
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**		**Notes**
Abamectin	0.000	< 0.250		0.880	1.000	88.0	50.0	150	
Acephate	0.000	< 0.250		0.824	1.000	82.4	60.0	120	
Acequinocyl	0.000	< 1.000		3.353	4.000	83.8	40.0	160	
Acetamiprid	0.000	< 0.100		0.368	0.400	91.9	60.0	120	
Aldicarb	0.000	< 0.200		0.717	0.800	89.7	60.0	120	
Azoxystrobin	0.000	< 0.100		0.363	0.400	90.8	60.0	120	
Bifenazate	0.000	< 0.100		0.362	0.400	90.6	60.0	120	
Bifenthrin	0.000	< 0.100		0.350	0.400	87.5	50.0	150	
Boscalid	0.000	< 0.200		0.719	0.800	89.8	60.0	120	
Carbaryl	0.000	< 0.100		0.367	0.400	91.8	60.0	120	
Carbofuran	0.000	< 0.100		0.371	0.400	92.7	60.0	120	
Chlorantraniliprole	0.000	< 0.100		0.350	0.400	87.4	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.607	2.000	80.3	60.0	120	
Chlorpyrifos	0.000	< 0.100		0.368	0.400	92.0	60.0	120	
Clofentezine	0.000	< 0.100		0.357	0.400	89.2	60.0	120	
Cyfluthrin	0.000	< 0.500		1.919	2.000	95.9	50.0	150	
Cypermethrin	0.000	< 0.500		1.806	2.000	90.3	50.0	150	
Daminozide	0.000	< 0.500		1.886	2.000	94.3	60.0	120	
Diazinon	0.000	< 0.100		0.372	0.400	93.1	60.0	120	
Dichlorvos	0.000	< 0.500		1.842	2.000	92.1	60.0	120	
Dimethoate	0.000	< 0.100		0.369	0.400	92.4	60.0	120	
Ethoprophos	0.000	< 0.100		0.347	0.400	86.6	60.0	120	
Etofenprox	0.000	< 0.200		0.707	0.800	88.4	50.0	150	
Etoxazole	0.000	< 0.100		0.361	0.400	90.2	60.0	120	
Fenoxycarb	0.000	< 0.100		0.355	0.400	88.8	60.0	120	
Fenpyroximate	0.000	< 0.200		0.708	0.800	88.5	60.0	120	
Fipronil	0.000	< 0.200		0.719	0.800	89.9	60.0	120	
Flonicamid	0.000	< 0.250		0.944	1.000	94.4	60.0	120	
Fludioxonil	0.000	< 0.200		0.805	0.800	100.6	50.0	150	
Hexythiazox	0.000	< 0.250		0.893	1.000	89.3	60.0	120	
Imazalil	0.000	< 0.100		0.371	0.400	92.6	60.0	120	
Imidacloprid	0.000	< 0.200		0.727	0.800	90.8	60.0	120	
Kresoxim-methyl	0.000	< 0.200		0.749	0.800	93.7	60.0	120	
Malathion	0.000	< 0.100		0.364	0.400	91.0	60.0	120	
Metalaxyl	0.000	< 0.100		0.369	0.400	92.1	60.0	120	
Methiocarb	0.000	< 0.100		0.367	0.400	91.8	60.0	120	
Methomyl	0.000	< 0.200		0.666	0.800	83.2	60.0	120	
MGK-264	0.000	< 0.100		0.364	0.400	91.1	50.0	150	
Myclobutanil	0.000	< 0.100		0.360	0.400	90.1	60.0	120	
Naled	0.000	< 0.250		0.877	1.000	87.7	50.0	150	
Oxamyl	0.000	< 0.500		1.911	2.000	95.5	60.0	120	
Paclobutrazole	0.000	< 0.200		0.715	0.800	89.4	60.0	120	
Parathion-Methyl	0.000	< 0.200		0.728	0.800	91.0	50.0	150	
Permethrin	0.000	< 0.100		0.355	0.400	88.8	50.0	150	
Phosmet	0.000	< 0.100		0.351	0.400	87.9	50.0	150	
Piperonyl butoxide	0.000	< 0.500		1.739	2.000	87.0	60.0	120	
Prallethrin	0.000	< 0.100		0.368	0.400	91.9	60.0	120	
Propiconazole	0.000	< 0.200		0.734	0.800	91.7	60.0	120	
Propoxur	0.000	< 0.100		0.374	0.400	93.5	60.0	120	
Pyrethrin (Summe)	0.000	< 0.100		0.377	0.413	91.2	60.0	120	
Pyridaben	0.000	< 0.100		0.349	0.400	87.3	50.0	150	
Spinosad	0.000	< 0.100		0.319	0.388	82.2	50.0	150	
Spiromesifen	0.000	< 0.100		0.363	0.400	90.7	60.0	120	
Spirotetramat	0.000	< 0.100		0.369	0.400	92.2	60.0	120	
Spiroxamine	0.000	< 0.200		0.732	0.800	91.4	60.0	120	
Tebuconazole	0.000	< 0.200		0.723	0.800	90.4	60.0	120	
Thiacloprid	0.000	< 0.100		0.374	0.400	93.5	60.0	120	
Thiamethoxam	0.000	< 0.100		0.359	0.400	89.8	60.0	120	
Trifloxystrobin	0.000	< 0.100		0.360	0.400	89.9	60.0	120	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 — **Units:** mg/Kg — **Batch ID:** 2208761

Matrix Spike/Matrix Spike Duplicate Recoveries — **Sample ID:** 22-012177-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.638	0.648	1.000	1.6%	< 30	63.8%	64.8%	50 - 150	
Acephate	0.000	0.605	0.654	1.000	7.8%	< 30	60.5%	65.4%	50 - 150	
Acequinocyl	0.000	1.501	1.570	4.000	4.5%	< 30	37.5%	39.2%	50 - 150	Q
Acetamiprid	0.000	0.347	0.354	0.400	2.0%	< 30	86.8%	88.5%	50 - 150	
Aldicarb	0.000	0.669	0.718	0.800	7.1%	< 30	83.6%	89.7%	50 - 150	
Azoxystrobin	0.000	0.269	0.268	0.400	0.7%	< 30	67.3%	66.9%	50 - 150	
Bifenazate	0.000	0.300	0.319	0.400	6.2%	< 30	74.9%	79.7%	50 - 150	
Bifenthrin	0.000	0.200	0.217	0.400	8.3%	< 30	49.9%	54.2%	50 - 150	Q
Boscalid	0.069	0.683	0.645	0.800	6.4%	< 30	76.8%	72.0%	50 - 150	
Carbaryl	0.000	0.300	0.297	0.400	1.1%	< 30	74.9%	74.1%	50 - 150	
Carbofuran	0.000	0.278	0.280	0.400	0.9%	< 30	69.4%	70.0%	50 - 150	
Chlorantraniliprole	0.000	0.303	0.312	0.400	3.0%	< 30	75.7%	78.0%	50 - 150	
Chlorfenapyr	0.000	1.231	1.067	2.000	14.2%	< 30	61.5%	53.4%	50 - 150	
Chlorpyrifos	0.000	2.487	2.665	0.400	6.9%	< 30	621.8%	666.2%	50 - 150	Q
Clofentezine	0.000	0.229	0.235	0.400	2.7%	< 30	57.1%	58.7%	50 - 150	
Cyfluthrin	0.000	0.871	0.940	2.000	7.6%	< 30	43.5%	47.0%	30 - 150	
Cypermethrin	0.000	0.759	0.817	2.000	7.5%	< 30	37.9%	40.9%	50 - 150	Q
Daminozide	0.000	0.290	0.318	2.000	9.3%	< 30	14.5%	15.9%	30 - 150	Q
Diazinon	0.000	0.205	0.205	0.400	0.4%	< 30	51.3%	51.1%	50 - 150	
Dichlorvos	0.000	1.564	1.589	2.000	1.6%	< 30	78.2%	79.5%	50 - 150	
Dimethoate	0.000	0.352	0.358	0.400	1.7%	< 30	88.1%	89.6%	50 - 150	
Ethoprophos	0.000	0.250	0.250	0.400	0.2%	< 30	62.4%	62.5%	50 - 150	
Etofenprox	0.000	0.347	0.351	0.800	1.3%	< 30	43.3%	43.9%	50 - 150	Q
Etoxazole	0.000	0.275	0.271	0.400	1.6%	< 30	68.8%	67.7%	50 - 150	
Fenoxycarb	0.000	0.259	0.269	0.400	3.7%	< 30	64.7%	67.2%	50 - 150	
Fenpyroximate	0.000	0.308	0.343	0.800	10.6%	< 30	38.5%	42.8%	50 - 150	Q
Fipronil	0.000	0.519	0.550	0.800	5.7%	< 30	64.9%	68.7%	50 - 150	
Flonicamid	0.000	0.927	0.910	1.000	1.9%	< 30	92.7%	91.0%	50 - 150	
Fludioxonil	0.000	0.809	0.777	0.800	4.0%	< 30	101.1%	97.1%	50 - 150	
Hexythiazox	0.000	0.658	0.665	1.000	1.1%	< 30	65.8%	66.5%	50 - 150	
Imazalil	0.000	0.326	0.340	0.400	4.3%	< 30	81.5%	85.1%	50 - 150	
Imidacloprid	0.000	0.773	0.808	0.800	4.4%	< 30	96.6%	101.0%	50 - 150	
Kresoxim-methyl	0.000	0.477	0.486	0.800	1.8%	< 30	59.7%	60.7%	50 - 150	
Malathion	0.000	0.236	0.241	0.400	2.3%	< 30	58.9%	60.3%	50 - 150	
Metalaxyl	0.000	0.275	0.284	0.400	3.3%	< 30	68.8%	71.1%	50 - 150	
Methiocarb	0.000	0.282	0.281	0.400	0.6%	< 30	70.5%	70.1%	50 - 150	
Methomyl	0.000	0.748	0.630	0.800	17.2%	< 30	93.5%	78.7%	50 - 150	
MGK-264	0.000	0.154	0.158	0.400	2.2%	< 30	38.5%	39.4%	50 - 150	Q
Myclobutanil	0.000	0.236	0.279	0.400	16.5%	< 30	59.0%	69.7%	50 - 150	
Naled	0.000	0.634	0.644	1.000	1.5%	< 30	63.4%	64.4%	50 - 150	
Oxamyl	0.000	1.904	1.702	2.000	11.2%	< 30	95.2%	85.1%	50 - 150	
Paclobutrazole	0.000	0.575	0.602	0.800	4.6%	< 30	71.8%	75.2%	50 - 150	
Parathion-Methyl	0.000	0.454	0.359	0.800	23.4%	< 30	56.7%	44.9%	30 - 150	
Permethrin	0.000	0.212	0.213	0.400	0.5%	< 30	53.0%	53.2%	50 - 150	
Phosmet	0.000	0.283	0.293	0.400	3.4%	< 30	70.7%	73.2%	50 - 150	
Piperonyl butoxide	0.000	1.325	1.377	2.000	3.8%	< 30	66.2%	68.8%	50 - 150	
Prallethrin	0.000	0.197	0.193	0.400	1.6%	< 30	49.1%	48.3%	50 - 150	Q
Propiconazole	0.000	0.622	0.634	0.800	2.0%	< 30	77.8%	79.3%	50 - 150	
Propoxur	0.000	0.297	0.298	0.400	0.3%	< 30	74.4%	74.6%	50 - 150	
Pyrethrin (Summe)	0.000	0.320	0.323	0.413	0.9%	< 30	77.5%	78.3%	50 - 150	
Pyridaben	0.000	0.226	0.231	0.400	2.4%	< 30	56.5%	57.9%	50 - 150	
Spinosad	0.000	0.230	0.230	0.388	0.1%	< 30	59.3%	59.4%	50 - 150	
Spiromesifen	0.000	0.267	0.247	0.400	7.7%	< 30	66.7%	61.8%	50 - 150	
Spirotetramat	0.000	0.506	0.525	0.400	3.7%	< 30	126.5%	131.3%	50 - 150	
Spiroxamine	0.000	0.576	0.625	0.800	8.2%	< 30	72.0%	78.2%	50 - 150	
Tebuconazole	0.000	0.601	0.649	0.800	7.7%	< 30	75.1%	81.1%	50 - 150	
Thiacloprid	0.000	0.334	0.344	0.400	3.0%	< 30	83.4%	86.0%	50 - 150	
Thiamethoxam	0.000	0.358	0.330	0.400	8.2%	< 30	89.6%	82.5%	50 - 150	
Trifloxystrobin	0.000	0.243	0.247	0.400	1.5%	< 30	60.9%	61.8%	50 - 150	

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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.