



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



**Report Number:** 21-006337/D002.R000  
**Report Date:** 06/17/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/10/21 13:16

**Customer:** Anthem Hemp  
 18253 Gothard St.  
 Huntington Beach, CA 92648  
 United States of America (USA)

**Product identity:** USD BCH# 4142 Primary

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-006337-0003

**Evidence of Cooling:** No

**Temp:** 21.8 °C

**Grower:** AG-R1065475IHH

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2105282	Analyze: 6/14/21 10:16:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	2.49		0.0931			
CBC-A†	< LOQ		0.0931			
CBC-Total†	2.49		0.175			
CBD	81.2		0.931			
CBD-A	< LOQ		0.0931			
CBD-Total	81.2		1.01			
CBDV†	0.414		0.0931			
CBDV-A†	< LOQ		0.0931			
CBDV-Total†	0.414		0.174			
CBE†	1.46		0.0931			
CBG†	2.95		0.0931			
CBG-A†	< LOQ		0.0931			
CBG-Total	2.95		0.174			
CBL†	0.138		0.0931			
CBL-A†	< LOQ		0.0931			
CBL-Total†	< LOQ		0.175			
CBN	1.64		0.0931			
CBT†	2.31		0.0931			
Δ8-THC†	< LOQ		0.0931			
Δ8-THCV	< LOQ		0.0931			
Δ9-THC	< LOQ		0.0931			
THC-A	< LOQ		0.0931			
THC-Total	< LOQ		0.175			
THCV†	< LOQ		0.0931			
THCV-A†	< LOQ		0.0931			
THCV-Total†	< LOQ		0.174			
<b>Total Cannabinoids†</b>	<b>92.6</b>					



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Solvents						Residual Solvents by GC/MS					Units µg/g		Batch 2105188		Analyze 06/14/21 09:19 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	< LOQ		200									
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass								
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200									
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass								
Methylpropane	< LOQ		200			n-Butane	< LOQ		200									
n-Heptane	274	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	< LOQ	2170	600	pass								



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2105331 Analyze 06/16/21 03:17 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		Fonicamid	< 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							

Notes:

Tentatively Identified Compounds (TICs)

None



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 United States of America (USA)

**Product identity:** USD BCH# 4142 Dup

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-006337-0004

**Evidence of Cooling:** No

**Temp:** 21.8 °C

**Grower:** AG-R1065475IHH

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2105282	Analyze: 6/14/21 10:38:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	2.47		0.0904			
CBC-A†	< LOQ		0.0904			
CBC-Total†	2.47		0.170			
CBD	81.6		0.904			
CBD-A	< LOQ		0.0904			
CBD-Total	81.6		0.983			
CBDV†	0.415		0.0904			
CBDV-A†	< LOQ		0.0904			
CBDV-Total†	0.415		0.169			
CBE†	1.47		0.0904			
CBG†	2.94		0.0904			
CBG-A†	< LOQ		0.0904			
CBG-Total	2.94		0.169			
CBL†	0.134		0.0904			
CBL-A†	< LOQ		0.0904			
CBL-Total†	< LOQ		0.170			
CBN	1.62		0.0904			
CBT†	2.37		0.0904			
Δ8-THC†	< LOQ		0.0904			
Δ8-THCV	< LOQ		0.0904			
Δ9-THC	< LOQ		0.0904			
THC-A	< LOQ		0.0904			
THC-Total	< LOQ		0.170			
THCV†	< LOQ		0.0904			
THCV-A†	< LOQ		0.0904			
THCV-Total†	< LOQ		0.169			
<b>Total Cannabinoids†</b>	<b>93.0</b>					



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Solvents						Residual Solvents by GC/MS					Units µg/g	Batch 2105188	Analyze 06/14/21 09:19 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	< LOQ		200								
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass							
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200								
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass							
Methylpropane	< LOQ		200			n-Butane	< LOQ		200								
n-Heptane	269	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	< LOQ	2170	600	pass							



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2105331 Analyze 06/16/21 03:17 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		Fonicamid	< 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							

Notes:

Tentatively Identified Compounds (TICs)

None



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**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.

† = Analyte not NELAP accredited.

**Units of Measure**

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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**Statistical Analysis:  
 USD BCH# 4142**

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
21-006337-0003	812	< 0.931	812	16.4	< 0.931	< 0.931	< 1.75
21-006337-0004	816	< 0.904	816	16.2	< 0.904	< 0.904	< 1.7
Average mg/g	814	n/a	814	16.3	n/a	n/a	n/a
Stdev	2.00	0.000	2.00	0.1000	0.000	0.000	0.000
%RPD	0.5%	0.0%	0.5%	1.2%	0.0%	0.0%	0.0%
Pass/Fail (<15%RPD)	n/a	n/a	n/a	n/a	n/a	n/a	Pass





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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2105188					
Method Blank			Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		475	595	µg/g	79.8	70 - 130	
Isobutane	ND	< 200		636	761	µg/g	83.6	70 - 130	
Butane	ND	< 200		645	761	µg/g	84.8	70 - 130	
2,2-Dimethylpropane	ND	< 200		769	955	µg/g	80.5	70 - 130	
Methanol	ND	< 200		1490	1600	µg/g	93.1	70 - 130	
Ethylene Oxide	ND	< 30		45.6	58.3	µg/g	78.2	70 - 130	
2-Methylbutane	ND	< 200		1400	1600	µg/g	87.5	70 - 130	
Pentane	ND	< 200		1430	1600	µg/g	89.4	70 - 130	
Ethanol	ND	< 200		1480	1610	µg/g	91.9	70 - 130	
Ethyl Ether	ND	< 200		1470	1600	µg/g	91.9	70 - 130	
2,2-Dimethylbutane	ND	< 30		145	160	µg/g	90.6	70 - 130	
Acetone	ND	< 200		1460	1600	µg/g	91.3	70 - 130	
2-Propanol	ND	< 200		1490	1610	µg/g	92.5	70 - 130	
Acetonitrile	ND	< 100		434	481	µg/g	90.2	70 - 130	
2,3-Dimethylbutane	ND	< 30		156	164	µg/g	95.1	70 - 130	
Dichloromethane	ND	< 60		442	490	µg/g	90.2	70 - 130	
2-Methylpentane	ND	< 30		210	162	µg/g	129.6	70 - 130	
3-Methylpentane	ND	< 30		145	163	µg/g	89.0	70 - 130	
Hexane	ND	< 30		135	163	µg/g	82.8	70 - 130	
Ethyl acetate	ND	< 200		1500	1600	µg/g	93.8	70 - 130	
2-Butanol	ND	< 200		1390	1600	µg/g	86.9	70 - 130	
Tetrahydrofuran	ND	< 100		425	485	µg/g	87.6	70 - 130	
Cyclohexane	ND	< 200		1570	1610	µg/g	97.5	70 - 130	
Benzene	ND	< 1		4.17	4.36	µg/g	95.6	70 - 130	
Isopropyl Acetate	ND	< 200		1550	1610	µg/g	96.3	70 - 130	
Heptane	ND	< 200		1410	1610	µg/g	87.6	70 - 130	
1,4-Dioxane	ND	< 100		476	481	µg/g	99.0	70 - 130	
2-Ethoxyethanol	ND	< 30		147	162	µg/g	90.7	70 - 130	
Ethylene Glycol	ND	< 200		413	484	µg/g	85.3	70 - 130	
Toluene	ND	< 200		491	500	µg/g	98.2	70 - 130	
Ethylbenzene	ND	< 200		980	971	µg/g	100.9	70 - 130	
m,p-Xylene	ND	< 200		1040	966	µg/g	107.7	70 - 130	
o-Xylene	ND	< 200		1050	967	µg/g	108.6	70 - 130	
Cumene	ND	< 30		172	164	µg/g	104.9	70 - 130	
Trichloroethylene	ND	< 1		1.09	1	µg/g	109.0	70 - 130	
Chloroform	ND	< 1		1.08	1	µg/g	108.0	70 - 130	
1,2-Dichloroethane	ND	< 1		1.08	1	µg/g	108.0	70 - 130	



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QC - Sample Duplicate Sample ID: 21-006317-0001

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	
Acetonitrile	ND	ND	100	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	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	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	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	1340	1420	200	µg/g	5.8	< 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	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	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	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	3.18	3.38	1	µg/g	6.1	< 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



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

**Report Number:** 21-006337/D002.R000  
**Report Date:** 06/17/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/10/21 13:16



Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2105282**

Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.191	0.2	%	95.5	85.0 - 115	Acceptable	
CBDV	0.207	0.2	%	104	85.0 - 115	Acceptable	
CBE	0.200	0.2	%	100	85.0 - 115	Acceptable	
CBD	0.203	0.2	%	101	85.0 - 115	Acceptable	
CBGA	0.192	0.2	%	95.9	85.0 - 115	Acceptable	
CBG	0.208	0.2	%	104	85.0 - 115	Acceptable	
CBD	0.213	0.2	%	107	85.0 - 115	Acceptable	
THCV	0.204	0.2	%	102	85.0 - 115	Acceptable	
d8THCV	0.200	0.2	%	100	85.0 - 115	Acceptable	
THCVA	0.185	0.2	%	92.5	85.0 - 115	Acceptable	
CBN	0.216	0.2	%	108	85.0 - 115	Acceptable	
exo-THC	0.195	0.2	%	97.4	85.0 - 115	Acceptable	
d9THC	0.219	0.2	%	110	85.0 - 115	Acceptable	
d8THC	0.195	0.2	%	97.5	85.0 - 115	Acceptable	
CBL	0.179	0.2	%	89.3	85.0 - 115	Acceptable	
CBC	0.205	0.2	%	102	85.0 - 115	Acceptable	
THCA	0.191	0.2	%	95.6	85.0 - 115	Acceptable	
CBCA	0.183	0.2	%	91.6	85.0 - 115	Acceptable	
CBLA	0.202	0.2	%	101	85.0 - 115	Acceptable	
CBT	0.210	0.2	%	105	85.0 - 115	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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



**Report Number:** 21-006337/D002.R000  
**Report Date:** 06/17/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/10/21 13:16

Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2105282						
Sample Duplicate		Sample ID: 21-006162-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	0.171	0.172	0.1	%	0.626	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	0.859	0.863	0.1	%	0.399	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	94.9	95.8	0.1	%	0.986	< 20	Acceptable	

**Abbreviations**

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results

**Units of Measure:**

% - Percent



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



Report Number: 21-006337/D002.R000  
Report Date: 06/17/2021  
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Purchase Order:  
Received: 06/10/21 13:16

Revision: 1.00 Control: CFL-C2  
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2105331			
Method Blank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS% Re	Limits	Notes
Acephate	0.00	< 0.250		0.872	1.000	87.2	68.2 - 127	
Acetaminophen	0.00	< 1.000		3.562	4.000	89.0	67.3 - 125	
Acetamiprid	0.00	< 0.100		0.391	0.400	97.6	68.8 - 128	
Aldicarb	0.00	< 0.200		0.815	0.800	101.8	69.7 - 129	
Abamectin	0.00	< 0.250		0.929	1.000	92.9	68.9 - 128	
Azoxystrobin	0.00	< 0.100		0.382	0.400	95.4	68.6 - 127	
Bifenazate	0.00	< 0.100		0.390	0.400	97.4	70.6 - 131	
Bifenthrin	0.00	< 0.100		0.382	0.400	95.4	68.4 - 127	
Boscalid	0.00	< 0.200		0.771	0.800	96.4	69.3 - 129	
Carbaryl	0.00	< 0.100		0.393	0.400	98.2	68.4 - 127	
Carbofuran	0.00	< 0.100		0.395	0.400	98.9	70.3 - 131	
Chlorantraniliprol	0.00	< 0.100		0.276	0.400	69.1	70.7 - 131	Q1
Chlorfenapyr	0.00	< 0.500		1.566	2.000	78.3	68.2 - 127	
Chlorpyrifos	0.00	< 0.100		0.377	0.400	94.2	68.4 - 127	
Clofentazine	0.00	< 0.100		0.383	0.400	95.8	68.4 - 127	
Ofluthrin	0.00	< 0.500		1.917	2.000	95.8	69.4 - 129	
Cypermethrin	0.00	< 0.500		2.020	2.000	101.0	69.0 - 128	
Daminozide	0.00	< 0.500		1.933	2.000	96.7	69.0 - 128	
Diazinon	0.00	< 0.100		0.381	0.400	95.3	69.0 - 128	
Dichlorvos	0.00	< 0.500		1.899	2.000	94.9	67.2 - 125	
Dimethoat	0.00	< 0.100		0.392	0.400	98.1	68.8 - 128	
Ethoprophos	0.00	< 0.100		0.379	0.400	94.7	67.9 - 126	
Etofenprox	0.00	< 0.200		0.808	0.800	101.0	68.3 - 127	
Etoxazol	0.00	< 0.100		0.378	0.400	94.4	67.9 - 126	
Fenoxycarb	0.00	< 0.100		0.384	0.400	95.9	68.3 - 127	
Fenpyroximat	0.00	< 0.200		0.791	0.800	98.9	68.2 - 127	
Fipronil	0.00	< 0.200		0.824	0.800	102.9	69.7 - 130	
Fonicamid	0.00	< 0.250		1.007	1.000	100.7	68.0 - 126	
Fudioxonil	0.00	< 0.200		0.814	0.800	101.7	69.8 - 130	
Hexythiazox	0.00	< 0.250		0.953	1.000	95.3	67.7 - 126	
Imazalil	0.00	< 0.100		0.376	0.400	94.0	71.2 - 132	
Imidacloprid	0.00	< 0.200		0.734	0.800	91.7	67.9 - 126	
Kiesoxim-Methyl	0.00	< 0.200		0.734	0.800	91.8	69.3 - 129	
Malathion	0.00	< 0.100		0.379	0.400	94.7	68.4 - 127	
Metaxalyl	0.00	< 0.100		0.372	0.400	93.1	68.6 - 127	
Methiocarb	0.00	< 0.100		0.363	0.400	90.7	68.3 - 127	
Methomyl	0.00	< 0.200		0.756	0.800	94.5	68.5 - 127	
MGK 264	0.00	< 0.100		0.379	0.400	94.7	68.3 - 127	
Mydobutanil	0.00	< 0.100		0.395	0.400	98.7	68.1 - 127	
Naled	0.00	< 0.250		0.968	1.000	96.8	69.6 - 129	
Oxaryl	0.00	< 0.500		1.585	2.000	79.3	69.0 - 128	
Padobutrazol	0.00	< 0.200		0.764	0.800	95.5	68.7 - 128	
Parathion Methyl	0.00	< 0.200		0.937	0.800	117.2	69.4 - 129	
Permethrin	0.00	< 0.100		0.402	0.400	100.4	68.7 - 128	
Phosmet	0.00	< 0.100		0.393	0.400	98.3	68.2 - 127	
Piperonyl butoxide	0.00	< 0.500		1.947	2.000	97.3	68.2 - 127	
Prallethrin	0.00	< 0.100		0.387	0.400	96.6	69.3 - 129	
Propiconazole	0.00	< 0.200		0.779	0.800	97.3	68.7 - 128	
Propoxur	0.00	< 0.100		0.385	0.400	96.2	67.9 - 126	
Pyrethrins	0.00	< 0.100		0.400	0.413	96.9	66.6 - 124	
Pyridaben	0.00	< 0.100		0.371	0.400	92.7	70.7 - 131	
Spinosad	0.00	< 0.100		0.386	0.388	99.5	72.3 - 134	
Spiromesfen	0.00	< 0.100		0.394	0.400	98.5	69.5 - 129	
Spirotetramet	0.00	< 0.100		0.393	0.400	98.2	68.4 - 127	
Spiroxamine	0.00	< 0.200		0.751	0.800	93.8	67.4 - 125	
Tebuconazol	0.00	< 0.200		0.778	0.800	97.2	69.1 - 128	
Thiadoprid	0.00	< 0.100		0.390	0.400	97.6	68.4 - 127	
Thiamethoxam	0.00	< 0.100		0.404	0.400	101.0	68.7 - 128	
Trifloxystrobin	0.00	< 0.100		0.394	0.400	98.5	68.4 - 127	



12423 NE Whitaker Way  
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Report Date: 06/17/2021  
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Purchase Order:  
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Revision: 1.00 Control: CFL-C2  
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					Batch ID 2105331				
Matrix Spike/Matrix Spike Duplicate Recoveries										Sample ID 21-0063630001	
Analyte	Result	MSR <sub>as</sub>	MSD <sub>as</sub>	Spike	RFD%	Limit	MS% Re	MSD% Re	Limits	Notes	
Acephate	0.00	0.846	0.868	1.000	2.7%	< 30	84.9%	86.8%	50 - 150		
Acetamiprid	0.00	0.388	0.363	0.400	6.6%	< 30	96.9%	90.8%	50 - 150		
Aldicarb	0.00	0.811	0.790	0.800	2.6%	< 30	101.4%	98.8%	50 - 150		
Abamectin	0.00	0.893	0.940	1.000	5.1%	< 30	89.3%	94.0%	50 - 150		
Azoxystrobin	0.00	0.378	0.352	0.400	7.2%	< 30	93.4%	86.9%	50 - 150		
Bifenazate	0.00	0.420	0.391	0.400	7.3%	< 30	105.0%	97.6%	50 - 150		
Bifenthrin	0.047	0.369	0.352	0.400	5.3%	< 30	80.8%	76.3%	50 - 150		
Boscalid	0.00	0.779	0.728	0.800	6.8%	< 30	97.4%	91.0%	50 - 150		
Carbaryl	0.00	0.376	0.388	0.400	2.1%	< 30	94.0%	92.1%	50 - 150		
Carbofuran	0.00	0.400	0.360	0.400	10.4%	< 30	99.7%	89.9%	50 - 150		
Chlorantraniliprol	0.00	0.311	0.326	0.400	5.0%	< 30	77.8%	81.0%	50 - 150		
Chlorfenapyr	0.00	1.647	1.271	2.000	25.8%	< 30	82.4%	63.0%	50 - 150		
Chlorpyrifos	0.010	0.353	0.347	0.400	1.8%	< 30	85.9%	84.3%	50 - 150		
Clofentezine	0.00	0.355	0.322	0.400	9.9%	< 30	88.7%	80.4%	50 - 150		
Cyfluthrin	0.00	1.210	1.151	2.000	5.0%	< 30	60.8%	57.5%	30 - 150		
Cypermethrin	0.124	1.864	1.841	2.000	1.4%	< 30	87.0%	85.8%	50 - 150		
Daminozide	0.088	1.872	1.781	2.000	5.2%	< 30	89.3%	84.7%	30 - 150		
Diazinon	0.00	0.382	0.364	0.400	4.9%	< 30	95.6%	91.0%	50 - 150		
Dichlorvos	0.00	1.902	1.901	2.000	0.1%	< 30	95.1%	95.0%	50 - 150		
Dimethoat	0.00	0.391	0.365	0.400	7.0%	< 30	97.9%	91.3%	50 - 150		
Ethoprophos	0.00	0.375	0.358	0.400	4.8%	< 30	93.9%	89.6%	50 - 150		
Etofenprox	0.00	0.679	0.701	0.800	3.2%	< 30	84.9%	87.6%	50 - 150		
Etoxazol	0.00	0.327	0.317	0.400	3.1%	< 30	80.4%	77.9%	50 - 150		
Fenoxycarb	0.00	0.365	0.337	0.400	8.4%	< 30	91.9%	84.1%	50 - 150		
Fenproximat	0.00	0.744	0.733	0.800	1.4%	< 30	93.0%	91.7%	50 - 150		
Fipronil	0.00	0.554	0.544	0.800	1.8%	< 30	69.2%	68.0%	50 - 150		
Fonicamid	0.00	0.991	0.934	1.000	5.9%	< 30	99.1%	93.4%	50 - 150		
Fludoxonil	0.00	0.824	0.756	0.800	8.6%	< 30	103.0%	94.5%	50 - 150		
Hexythiazox	0.00	0.446	0.423	1.000	5.2%	< 30	44.8%	42.3%	50 - 150	Q6	
Imazalil	0.00	0.402	0.404	0.400	0.5%	< 30	100.4%	100.9%	50 - 150		
Imidacloprid	0.00	0.759	0.716	0.800	5.9%	< 30	94.9%	89.9%	50 - 150		
Kiesoxim-Methyl	0.00	0.774	0.704	0.800	9.5%	< 30	96.8%	88.0%	50 - 150		
Malathion	0.054	0.412	0.417	0.400	1.3%	< 30	89.9%	90.7%	50 - 150		
Metaxalyl	0.00	0.375	0.360	0.400	4.0%	< 30	93.7%	90.0%	50 - 150		
Methiocarb	0.00	0.376	0.377	0.400	0.2%	< 30	94.0%	94.2%	50 - 150		
Methomyl	0.00	0.764	0.658	0.800	14.9%	< 30	95.9%	82.3%	50 - 150		
MGK 264	0.00	0.349	0.325	0.400	7.1%	< 30	87.2%	81.2%	50 - 150		
Mydobutani	0.00	0.378	0.361	0.400	4.5%	< 30	94.4%	90.2%	50 - 150		
Naled	0.00	0.947	0.911	1.000	3.8%	< 30	94.7%	91.1%	50 - 150		
Oxaryl	0.00	2.346	2.248	2.000	4.2%	< 30	117.3%	112.4%	50 - 150		
Padobutrazol	0.00	0.703	0.693	0.800	1.4%	< 30	87.9%	86.6%	50 - 150		
Parathion Methyl	0.00	0.605	0.627	0.800	3.6%	< 30	75.8%	78.4%	30 - 150		
Permethrin	0.026	0.367	0.353	0.400	4.3%	< 30	85.2%	81.6%	50 - 150		
Phosmet	0.00	0.374	0.355	0.400	5.4%	< 30	93.9%	88.6%	50 - 150		
Piperonyl butoxide	0.00	1.761	1.677	2.000	4.9%	< 30	88.0%	83.8%	50 - 150		
Prallethrin	0.00	0.375	0.331	0.400	12.4%	< 30	93.7%	82.8%	50 - 150		
Propiconazole	0.00	0.737	0.708	0.800	4.1%	< 30	92.1%	88.4%	50 - 150		
Propoxur	0.011	0.377	0.364	0.400	3.7%	< 30	91.6%	88.2%	50 - 150		
Pyrethrins	0.00	0.319	0.304	0.413	4.9%	< 30	77.3%	73.6%	50 - 150		
Pyridaben	0.00	0.177	0.176	0.400	0.8%	< 30	44.3%	44.0%	50 - 150	Q6	
Spinosad	0.00	0.388	0.382	0.388	0.1%	< 30	98.6%	98.9%	50 - 150		
Spiromesfen	0.00	0.270	0.265	0.400	1.5%	< 30	67.4%	66.4%	50 - 150		
Spirotetramat	0.011	0.410	0.409	0.400	0.4%	< 30	99.9%	99.8%	50 - 150		
Spiroxamine	0.00	0.776	0.759	0.800	2.2%	< 30	97.0%	94.8%	50 - 150		
Tebuconazol	0.00	0.724	0.682	0.800	6.1%	< 30	90.9%	85.2%	50 - 150		
Thiadoprid	0.00	0.382	0.374	0.400	2.3%	< 30	95.9%	93.4%	50 - 150		
Thiamethoxam	0.00	0.420	0.376	0.400	10.9%	< 30	104.9%	94.0%	50 - 150		
Trifloxystrobin	0.00	0.315	0.304	0.400	3.5%	< 30	78.8%	76.1%	50 - 150		



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503-254-1794



**Report Number:** 21-006337/D002.R000  
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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	Quantitation 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.