



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



Report Number: 23-000495/D003.R000
Report Date: 01/26/2023
ORELAP#: OR100028
Purchase Order: RAW01
Received: 01/12/23 10:49

Customer: Custom Capsules Consultants
Product identity: Raw Botanicals 12.mg CBD + 12.5mg CBN
Client/Metric ID: .
Laboratory ID: 23-000495-0001

Summary

Potency:

Analyte per 0.6g	Result	Limits	Units	Status	
CBD per 0.6g	15.1		mg/0.6g		CBD-Total per Serving Size 15.1 mg/0.6g
CBDV per 0.6g	0.0529		mg/0.6g		
CBG per 0.6g	0.466		mg/0.6g		THC-Total per Serving Size <LOQ
CBN per 0.6g	15.7		mg/0.6g		(Reported in milligrams per serving)

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
a-pinene	4.91	50.67%	Linalool	4.61	47.57%
Camphene	0.0708	0.73%	farnesene	0.0547	0.56%
(-)-β-Pinene	0.0481	0.50%	Total Terpenes	9.69	100.00%

Metals:

Analyte	Result	Units	Limit	Status
Arsenic	0.0691	mg/kg	0.200	pass

Microbiology:

Less than LOQ for all analytes.



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ORELAP#: OR100028
Purchase Order: RAW01
Received: 01/12/23 10:49

Customer: Custom Capsules Consultants
 4710 S Hoover St
 Los Angeles California 90037
 United States of America (USA)

Product identity: Raw Botanicals 12.mg CBD + 12.5mg CBN

Client/Metric ID: .

Sample Date:

Laboratory ID: 23-000495-0001

Evidence of Cooling: No

Temp: 14.1

Relinquished by: ups

Serving Size #1: 0.6 g

Sample Results

Potency per 0.6g	Method: J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2300552	Analyze: 1/17/23 7:08:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 0.6g	< LOQ		mg/0.6g	0.0197	
CBC-A per 0.6g	< LOQ		mg/0.6g	0.0197	
CBC-Total per 0.6g	< LOQ		mg/0.6g	0.0370	
CBD per 0.6g	15.1		mg/0.6g	0.197	
CBD-A per 0.6g	< LOQ		mg/0.6g	0.0197	
CBD-Total per 0.6g	15.1		mg/0.6g	0.214	
CBDV per 0.6g	0.0529		mg/0.6g	0.0197	
CBDV-A per 0.6g	< LOQ		mg/0.6g	0.0197	
CBDV-Total per 0.6g	0.0604		mg/0.6g	0.0368	
CBE per 0.6g	< LOQ		mg/0.6g	0.0197	
CBG per 0.6g	0.466		mg/0.6g	0.0197	
CBG-A per 0.6g	< LOQ		mg/0.6g	0.0197	
CBG-Total per 0.6g	0.466		mg/0.6g	0.0368	
CBL per 0.6g	< LOQ		mg/0.6g	0.0197	
CBL-A per 0.6g	< LOQ		mg/0.6g	0.0197	
CBL-Total per 0.6g	< LOQ		mg/0.6g	0.0370	
CBN per 0.6g	15.7		mg/0.6g	0.197	
CBT per 0.6g	< LOQ		mg/0.6g	0.0197	
Δ8-THCV per 0.6g	< LOQ		mg/0.6g	0.0197	
Δ10-THC-9R per 0.6g	< LOQ		mg/0.6g	0.0197	
Δ8-THC per 0.6g	< LOQ		mg/0.6g	0.0197	
Δ9-THC per 0.6g	< LOQ		mg/0.6g	0.0197	
exo-THC per 0.6g	< LOQ		mg/0.6g	0.0197	
THC-A per 0.6g	< LOQ		mg/0.6g	0.0197	
THC-Total per 0.6g	< LOQ		mg/0.6g	0.0370	
THCV per 0.6g	< LOQ		mg/0.6g	0.0197	
THCV-A per 0.6g	< LOQ		mg/0.6g	0.0197	
THCV-Total per 0.6g	< LOQ		mg/0.6g	0.0370	
Total Cannabinoids per 0.6g	31.3		mg/0.6g		



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Microbiology

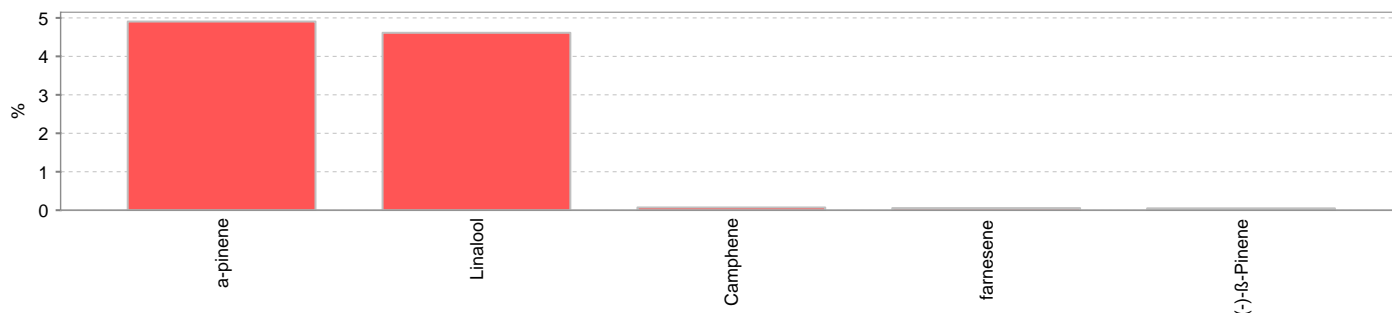
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2300404	01/15/23 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2300404	01/15/23 AOAC 991.14 (Petrifilm)		

Pesticides **Method:** AOAC 2007.01 & EN 15662 (mod) **Units mg/kg** **Batch** 2300719 **Analyze** 01/24/23 11:48 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	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							



Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2300761	Analyze 01/25/23 09:13 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
a-pinene	4.91	0.189	50.67%		Linalool	4.61	0.018	47.57%	
Camphene	0.0708	0.018	0.7307%		farnesene	0.0547	0.018	0.5645%	
(-)-β-Pinene	0.0481	0.018	0.4964%		β-Caryophyllene	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol	< LOQ	0.018	0.00%		Humulene	< LOQ	0.018	0.00%	
a-Bisabolol	< LOQ	0.018	0.00%		(-)-Guaiol	< LOQ	0.018	0.00%	
(±)-fenchone	< LOQ	0.018	0.00%		(-)-caryophyllene oxide	< LOQ	0.018	0.00%	
d-3-Carene	< LOQ	0.018	0.00%		a-phellandrene	< LOQ	0.018	0.00%	
Sabinene hydrate	< LOQ	0.018	0.00%		Geranyl acetate	< LOQ	0.018	0.00%	
Eucalyptol	< LOQ	0.018	0.00%		(R)-(+)-Limonene	< LOQ	0.018	0.00%	
(±)-Camphor	< LOQ	0.018	0.00%		gamma-Terpinene	< LOQ	0.018	0.00%	
(+)-Pulegone	< LOQ	0.018	0.00%		(±)-cis-Nerolidol	< LOQ	0.018	0.00%	
(-)-Isopulegol	< LOQ	0.018	0.00%		valencene	< LOQ	0.018	0.00%	
(+)-Borneol	< LOQ	0.018	0.00%		(-)-a-Terpineol	< LOQ	0.018	0.00%	
Menthol	< LOQ	0.018	0.00%		(+)-Cedrol	< LOQ	0.018	0.00%	
a-Terpinene	< LOQ	0.018	0.00%		(+)-fenchol	< LOQ	0.018	0.00%	
a-cedrene	< LOQ	0.018	0.00%		cis-β-Ocimene	< LOQ	0.006	0.00%	
Geraniol	< LOQ	0.018	0.00%		Isoborneol	< LOQ	0.018	0.00%	
nerol	< LOQ	0.018	0.00%		p-Cymene	< LOQ	0.018	0.00%	
Sabinene	< LOQ	0.018	0.00%		β-Myrcene	< LOQ	0.018	0.00%	
Terpinolene	< LOQ	0.018	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
Total Terpenes	9.69								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic	0.0691	0.200	mg/kg	0.0228	2300807	01/26/23 AOAC 2013.06 (mod.)	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0228	2300807	01/26/23 AOAC 2013.06 (mod.)	pass	
Lead	< LOQ	0.500	mg/kg	0.0228	2300807	01/26/23 AOAC 2013.06 (mod.)	pass	
Mercury	< LOQ	0.100	mg/kg	0.0114	2300807	01/26/23 AOAC 2013.06 (mod.)	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.

* = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/0.6g = Milligram per 0.6g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

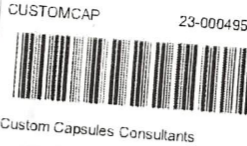


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Hemp / Cannabis Use
Chain of Custody
 Revision: 3.01 Control#: CF023 Rev C
 ORELAP ID: OR100028



Company: Custom Capsule Consultants Contact: Armando Lopez Street: 4710 S Hoover St City: Los Angeles State: CA Zip: 90037 <input checked="" type="checkbox"/> Email Results: Armando@customcapsuleconsultants.c Ph: (323) 884-1060 <input type="checkbox"/> Fx Results: () Billing (if different):				Analysis Requested <table border="1"> <tr> <td>Potency</td> <td>Full Panel — RBS 01/12/23</td> <td>Terpenes</td> <td>Beta Glucan</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>← P2120</td> <td>← H0013 (7)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>← M075</td> </tr> </table>				Potency	Full Panel — RBS 01/12/23	Terpenes	Beta Glucan							← P2120	← H0013 (7)						← M075	PO Number: _____ Project Number: RAW01 Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * <i>*Ask for availability</i> Sampled by: _____			
Potency	Full Panel — RBS 01/12/23	Terpenes	Beta Glucan																										
				← P2120	← H0013 (7)																								
					← M075																								
Lab ID	Client Sample Identification	Date	Time	Potency	Full Panel	Terpenes	Beta Glucan	Sample Type	Weight (Units)	Comments/Metric ID																			
	Raw Botanicals 12.mg CBD + 12.5r			✓	✓	✓	✓	C	500	Please contact me if you have any questions or concerns. Armando Lopez 323-884-1060 12.mg CBD + 12.5mg CBN 600mg Fill weight per capsule Ⓢ added testing for Full panel, as per phone call with client. -RBS 01/12/23																			
Relinquished By: <i>Armando Lopez</i>		Date: 01/10/23	Time: 1:53	Received By: RBS		Date: 01/21/23	Time: 10:49	Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: UPS or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): 14.1 Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Prelog storage:																					

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms
 12423 NE Whitaker Way P: (503) 254-1794 | Fax: (503) 254-1452 Page _____ of _____
 Portland, OR 97230 info@columbialaboratories.com www.columbialaboratories.com



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Portland, OR 97230
503-254-1794



Report Number: 23-000495/D003.R000
Report Date: 01/26/2023
ORELAP#: OR100028
Purchase Order: RAW01
Received: 01/12/23 10:49

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2300552

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0329	0.033	%	98.5	80.0 - 120	Acceptable	
CBDV	2	0.0350	0.035	%	99.2	80.0 - 120	Acceptable	
CBE	2	0.0335	0.035	%	95.9	80.0 - 120	Acceptable	
CBDA	1	0.0330	0.032	%	103	90.0 - 110	Acceptable	
CBGA	1	0.0331	0.032	%	103	80.0 - 120	Acceptable	
CBG	1	0.0346	0.033	%	105	80.0 - 120	Acceptable	
CBD	1	0.0341	0.032	%	105	90.0 - 110	Acceptable	
THCV	2	0.0348	0.035	%	98.2	80.0 - 120	Acceptable	
d8THCV	2	0.0348	0.034	%	101	80.0 - 120	Acceptable	
THCVA	2	0.0322	0.033	%	97.7	80.0 - 120	Acceptable	
CBN	1	0.0353	0.034	%	104	80.0 - 120	Acceptable	
exo-THC	2	0.0323	0.032	%	99.7	80.0 - 120	Acceptable	
d9THC	1	0.0350	0.035	%	100	90.0 - 110	Acceptable	
d8THC	1	0.0323	0.033	%	96.5	90.0 - 110	Acceptable	
CBL	2	0.0342	0.035	%	98.9	80.0 - 120	Acceptable	
d10THC	1	0.0165	0.016	%	105	80.0 - 120	Acceptable	
CB	2	0.0340	0.035	%	98.1	80.0 - 120	Acceptable	
THCA	1	0.0338	0.032	%	107	90.0 - 110	Acceptable	
CBCA	2	0.0336	0.034	%	97.7	80.0 - 120	Acceptable	
CBLA	2	0.0341	0.035	%	97.6	80.0 - 120	Acceptable	
CBT	2	0.0343	0.035	%	97.6	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CB	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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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Received: 01/12/23 10:49

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2300552						
Sample Duplicate		Sample ID: 23-000495-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0080	0.0088	0.003	%	9.23	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0732	0.0776	0.003	%	5.89	< 20	Acceptable	
CBD	2.51	2.51	0.003	%	0.114	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	2.62	2.62	0.003	%	0.119	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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Report Number: 23-000495/D003.R000
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Purchase Order: RAW01
Received: 01/12/23 10:49

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

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2300719			
Method Bank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.000	< 0.250		0.691	1.000	69.1	50.0	150
Acephate	0.000	< 0.200		0.783	0.800	97.8	60.0	120
Acequinocyl	0.000	< 1.000		2.567	4.000	64.2	40.0	160
Acetamiprid	0.000	< 0.100		0.362	0.400	90.6	60.0	120
Aldicarb	0.000	< 0.200		0.729	0.800	91.1	60.0	120
Azoxystrobin	0.000	< 0.100		0.292	0.400	73.0	60.0	120
Bifenazate	0.000	< 0.100		0.306	0.400	76.4	60.0	120
Bifenthrin	0.000	< 0.100		0.262	0.400	65.5	50.0	150
Boscalid	0.000	< 0.200		0.641	0.800	80.2	60.0	120
Carbaryl	0.000	< 0.100		0.347	0.400	86.6	60.0	120
Carbofuran	0.000	< 0.100		0.352	0.400	88.0	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.296	0.400	74.0	60.0	120
Chlorfenapyr	0.000	< 0.500		1.507	2.000	75.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.291	0.400	72.7	60.0	120
Clofentazine	0.000	< 0.100		0.241	0.400	60.2	60.0	120
Cyfluthrin	0.000	< 0.500		1.332	2.000	66.6	50.0	150
Cypermethrin	0.000	< 0.500		1.389	2.000	69.5	50.0	150
Daminozide	0.000	< 0.500		0.775	2.000	38.8	60.0	120
Diazinon	0.000	< 0.100		0.307	0.400	76.8	60.0	120
Dichlorvos	0.000	< 0.500		1.873	2.000	93.6	60.0	120
Dimethoate	0.000	< 0.100		0.377	0.400	94.2	60.0	120
Ethoprophos	0.000	< 0.100		0.323	0.400	80.6	60.0	120
Etofenprox	0.000	< 0.200		0.526	0.800	65.8	50.0	150
Etoxazole	0.000	< 0.100		0.274	0.400	68.6	60.0	120
Fenoxycarb	0.000	< 0.100		0.303	0.400	75.7	60.0	120
Fenpyroximate	0.000	< 0.200		0.547	0.800	68.4	60.0	120
Fipronil	0.000	< 0.200		0.578	0.800	72.2	60.0	120
Fonicamid	0.000	< 0.250		0.880	1.000	88.0	60.0	120
Fludioxonil	0.000	< 0.200		0.651	0.800	81.4	50.0	150
Hexythiazox	0.000	< 0.250		0.689	1.000	68.9	60.0	120
Imazalil	0.000	< 0.100		0.296	0.400	73.9	60.0	120
Imidacloprid	0.000	< 0.200		0.696	0.800	87.0	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.614	0.800	76.7	60.0	120
Malathion	0.000	< 0.100		0.309	0.400	77.3	60.0	120
Metaxalyl	0.000	< 0.100		0.329	0.400	82.3	60.0	120
Methiocarb	0.000	< 0.100		0.327	0.400	81.6	60.0	120
Methomyl	0.000	< 0.200		0.759	0.800	94.8	60.0	120
MGK-264	0.000	< 0.100		0.289	0.400	72.3	50.0	150
Myclobutanil	0.000	< 0.100		0.307	0.400	76.7	60.0	120
Naled	0.000	< 0.250		0.814	1.000	81.4	50.0	150
Oxamyl	0.000	< 0.500		1.659	2.000	82.9	60.0	120
Paclbutrazole	0.000	< 0.200		0.632	0.800	79.0	60.0	120
Parathion-Methyl	0.000	< 0.100		0.293	0.400	73.4	50.0	150
Permethrin	0.005	< 0.100		0.271	0.400	67.7	50.0	150
Phosmet	0.000	< 0.100		0.316	0.400	79.0	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.444	2.000	72.2	60.0	120
Prallethrin	0.000	< 0.100		0.302	0.400	75.5	60.0	120
Propiconazole	0.000	< 0.200		0.596	0.800	74.5	60.0	120
Propoxur	0.006	< 0.100		0.360	0.400	90.0	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.346	0.488	70.9	60.0	120
Pyridaben	0.000	< 0.100		0.275	0.400	68.7	50.0	150
Spirosad	0.000	< 0.100		0.277	0.388	71.3	50.0	150
Spiromesifen	0.000	< 0.100		0.271	0.400	67.9	60.0	120
Spirotetramat	0.000	< 0.100		0.302	0.400	75.5	60.0	120
Spiroxamine	0.000	< 0.200		0.604	0.800	75.5	60.0	120
Tebuconazole	0.000	< 0.200		0.590	0.800	73.8	60.0	120
Thiacloprid	0.000	< 0.100		0.350	0.400	87.5	60.0	120
Thiamethoxam	0.000	< 0.100		0.346	0.400	86.6	60.0	120
Trifloxystrobin	0.000	< 0.100		0.288	0.400	72.0	60.0	120

Q6



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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					Batch ID 2300719			
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.000	0.822	0.853	1.000	3.8%	< 30	82.2%	85.3%	50 - 150	
Acephate	0.000	0.971	1.039	0.800	6.7%	< 30	121.4%	129.8%	50 - 150	
Acetaminophen	0.000	2.167	2.457	4.000	12.5%	< 30	54.2%	61.4%	50 - 150	
Acetamiprid	0.012	0.485	0.488	0.400	0.7%	< 30	118.2%	119.0%	50 - 150	
Aldicarb	0.000	0.911	0.878	0.800	3.7%	< 30	113.9%	109.8%	50 - 150	
Azoxystrobin	0.006	0.406	0.390	0.400	4.0%	< 30	99.9%	96.1%	50 - 150	
Bifenazate	0.000	0.395	0.393	0.400	0.4%	< 30	98.7%	98.3%	50 - 150	
Bifenthrin	0.000	0.230	0.270	0.400	15.9%	< 30	57.5%	67.5%	50 - 150	
Boscalid	0.000	0.825	0.833	0.800	1.0%	< 30	103.1%	104.2%	50 - 150	
Carbaryl	0.000	0.461	0.446	0.400	3.3%	< 30	115.1%	111.4%	50 - 150	
Carbofuran	0.000	0.495	0.489	0.400	1.3%	< 30	123.8%	122.2%	50 - 150	
Chlorantraniliprole	0.000	0.435	0.406	0.400	7.0%	< 30	108.8%	101.4%	50 - 150	
Chlorfenapyr	0.000	1.859	1.933	2.000	3.9%	< 30	93.0%	96.6%	50 - 150	
Chlorpyrifos	0.000	0.405	0.403	0.400	0.4%	< 30	101.3%	100.8%	50 - 150	
Clofentezine	0.000	0.391	0.401	0.400	2.5%	< 30	97.8%	100.3%	50 - 150	
Cyfluthrin	0.000	0.442	0.522	2.000	16.7%	< 30	22.1%	26.1%	30 - 150	Q
Cypermethrin	0.000	0.514	0.582	2.000	12.5%	< 30	25.7%	29.1%	50 - 150	Q
Daminozide	0.007	1.822	1.899	2.000	4.2%	< 30	90.7%	94.6%	30 - 150	
Diazinon	0.000	0.380	0.394	0.400	3.6%	< 30	95.0%	98.5%	50 - 150	
Dichlorvos	0.000	2.244	2.260	2.000	0.7%	< 30	112.2%	113.0%	50 - 150	
Dimethoate	0.000	0.421	0.434	0.400	3.1%	< 30	105.2%	108.5%	50 - 150	
Ethoprophos	0.000	0.375	0.384	0.400	2.4%	< 30	93.8%	96.0%	50 - 150	
Etofenprox	0.000	0.606	0.635	0.800	4.7%	< 30	75.7%	79.4%	50 - 150	
Etoxazole	0.000	0.321	0.323	0.400	0.6%	< 30	80.2%	80.8%	50 - 150	
Fenoxycarb	0.000	0.406	0.411	0.400	1.1%	< 30	101.5%	102.7%	50 - 150	
Fenpyroximate	0.000	0.255	0.263	0.800	3.1%	< 30	31.9%	32.9%	50 - 150	Q
Fipronil	0.000	0.757	0.724	0.800	4.4%	< 30	94.6%	90.5%	50 - 150	
Flonicamid	0.000	0.910	0.876	1.000	3.9%	< 30	91.0%	87.6%	50 - 150	
Fludioxonil	0.000	0.860	0.893	0.800	3.7%	< 30	107.6%	111.7%	50 - 150	
Hexythiazox	0.000	1.115	1.085	1.000	2.7%	< 30	111.5%	108.5%	50 - 150	
Imazalil	0.000	0.409	0.420	0.400	2.5%	< 30	102.3%	105.0%	50 - 150	
Imidacloprid	0.000	0.604	0.614	0.800	1.7%	< 30	75.4%	76.7%	50 - 150	
Kresoxim-methyl	0.000	0.801	0.805	0.800	0.5%	< 30	100.1%	100.6%	50 - 150	
Malathion	0.000	0.401	0.405	0.400	1.2%	< 30	100.1%	101.3%	50 - 150	
Metaxalyl	0.000	0.396	0.403	0.400	1.9%	< 30	99.0%	100.8%	50 - 150	
Methiocarb	0.000	0.367	0.360	0.400	2.0%	< 30	91.8%	90.0%	50 - 150	
Methomyl	0.000	0.742	0.763	0.800	2.8%	< 30	92.7%	95.4%	50 - 150	
MKG-264	0.000	0.398	0.403	0.400	1.4%	< 30	99.4%	100.8%	50 - 150	
Myclobutanil	0.000	0.499	0.478	0.400	4.4%	< 30	124.8%	119.5%	50 - 150	
Naled	0.000	1.075	1.021	1.000	5.1%	< 30	107.5%	102.1%	50 - 150	
Oxamyl	0.000	1.759	1.805	2.000	2.6%	< 30	88.0%	90.2%	50 - 150	
Paclobutrazole	0.000	0.939	0.906	0.800	3.5%	< 30	117.3%	113.3%	50 - 150	
Parathion-Methyl	0.000	0.351	0.333	0.400	5.1%	< 30	87.7%	83.4%	30 - 150	
Permethrin	0.003	0.254	0.269	0.400	5.9%	< 30	62.7%	66.5%	50 - 150	
Phosmet	0.000	0.397	0.398	0.400	0.2%	< 30	99.2%	99.4%	50 - 150	
Piperonyl butoxide	0.000	2.059	2.054	2.000	0.3%	< 30	103.0%	102.7%	50 - 150	
Prallethrin	0.000	0.407	0.431	0.400	5.8%	< 30	101.7%	107.8%	50 - 150	
Propiconazole	0.000	0.827	0.816	0.800	1.3%	< 30	103.3%	102.0%	50 - 150	
Propoxur	0.000	0.471	0.475	0.400	0.9%	< 30	117.7%	118.8%	50 - 150	
Pyrethrin (Summe)	0.000	0.323	0.337	0.488	4.2%	< 30	66.1%	69.0%	50 - 150	
Pyridaben	0.000	0.251	0.259	0.400	3.0%	< 30	62.8%	64.6%	50 - 150	
Spinosad	0.000	0.389	0.377	0.388	3.3%	< 30	100.3%	97.1%	50 - 150	
Spiromesifen	0.000	0.358	0.368	0.400	2.9%	< 30	89.4%	92.0%	50 - 150	
Spirotetramat	0.000	0.440	0.444	0.400	0.9%	< 30	109.9%	110.9%	50 - 150	
Spiroxamine	0.000	0.803	0.831	0.800	3.4%	< 30	100.4%	103.9%	50 - 150	
Tebuconazole	0.000	0.789	0.778	0.800	1.5%	< 30	98.6%	97.2%	50 - 150	
Thiacloprid	0.000	0.423	0.421	0.400	0.4%	< 30	105.7%	105.3%	50 - 150	
Thiamethoxam	0.000	0.336	0.356	0.400	5.8%	< 30	84.0%	89.0%	50 - 150	
Trifloxystrobin	0.000	0.392	0.392	0.400	0.0%	< 30	98.0%	98.0%	50 - 150	



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Terpenes Quality Control Results

Method Reference: EPA5035				Batch ID: 2300761					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<LOQ	< 200		426	500	µg/g	85%	70 - 130	
Camphene	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
Sabinene	<LOQ	< 200		428	500	µg/g	86%	70 - 130	
b-Pinene	<LOQ	< 200		422	500	µg/g	84%	70 - 130	
b-Myrcene	<LOQ	< 200		443	500	µg/g	89%	70 - 130	
a-phellandrene	<LOQ	< 200		447	500	µg/g	89%	70 - 130	
d-3-Carene	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
a-Terpinene	<LOQ	< 200		423	500	µg/g	85%	70 - 130	
p-Cymene	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
D-Limonene	<LOQ	< 200		439	500	µg/g	88%	70 - 130	
Eucalyptol	<LOQ	< 200		430	500	µg/g	86%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		139	167	µg/g	84%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		307	333	µg/g	92%	70 - 130	
g-Terpinene	<LOQ	< 200		423	500	µg/g	85%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
Terpinolene	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
D-Fenchone	<LOQ	< 200		434	500	µg/g	87%	70 - 130	
Linalool	<LOQ	< 200		480	500	µg/g	96%	70 - 130	
Fenchol	<LOQ	< 200		431	500	µg/g	86%	70 - 130	
Camphor	<LOQ	< 200		441	500	µg/g	88%	70 - 130	
Isopulego	<LOQ	< 200		451	500	µg/g	90%	70 - 130	
Isoborneol	<LOQ	< 200		448	500	µg/g	90%	70 - 130	
Borneol	<LOQ	< 200		433	500	µg/g	87%	70 - 130	
DL-Menthol	<LOQ	< 200		438	500	µg/g	88%	70 - 130	
Terpineol	<LOQ	< 200		442	500	µg/g	88%	70 - 130	
Nerol	<LOQ	< 200		415	500	µg/g	83%	70 - 130	
Pulegone	<LOQ	< 200		444	500	µg/g	89%	70 - 130	
Geraniol	<LOQ	< 200		429	500	µg/g	86%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
a-Cedrene	<LOQ	< 200		421	500	µg/g	84%	70 - 130	
b-Caryophyllene	<LOQ	< 200		446	500	µg/g	89%	70 - 130	
a-Humulene	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
Valenene	<LOQ	< 200		426	500	µg/g	85%	70 - 130	
cis-Nerolidol	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
a-Farnesene	<LOQ	< 200		519	500	µg/g	104%	70 - 130	
trans-Nerolidol	<LOQ	< 200		436	500	µg/g	87%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
Guaiol	<LOQ	< 200		436	500	µg/g	87%	70 - 130	
Cedrol	<LOQ	< 200		450	500	µg/g	90%	70 - 130	
a-Bisabolol	<LOQ	< 200		442	500	µg/g	88%	70 - 130	

Definitions

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



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Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2300761					
Sample/ Sample Duplicate		Sample ID: 23-000495-001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	48600	49100	189	µg/g	1%	< 20	
Camphene	673	708	189	µg/g	5%	< 20	
Sabinene	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-Pinene	460	481	189	µg/g	4%	< 20	
b-Myrcene	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	189	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	189	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	189	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	189	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	63.1	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	126	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	189	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	189	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	189	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	189	µg/g	0%	< 20	
Linalool	44600	46100	189	µg/g	3%	< 20	
Fenchol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	189	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	189	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	189	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	189	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-Caryophyllene	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	189	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	189	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Farnesene	540	547	189	µg/g	1%	< 20	
trans-Nerolidol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	189	µg/g	0%	< 20	
Guaiaol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	189	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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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.