



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

**Customer:** Euphoric Gummies  
**Product identity:** Blue Raspberry Square 3542022DDB0000613 10mg D9 (3.75g)  
**Client/Metric ID:** .  
**Laboratory ID:**

### Summary

**Potency:**

Analyte per 3.75g	Result	Limits	Units	Status	
D8 -THCper 3.75g	0.540		mg/3.75g		THC-Total per Serving Size 10.4 mg/3.75g
D9 -THCper 3.75g	10.4		mg/3.75g		CBD-Total per Serving Size <LOQ
(Reported in milligrams per serving)					

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Analyte	Result	Units	Limit	Status
Lead	0.0472	mg/kg	0.500	pass

**Microbiology:**

Less than LOQ for all analytes.



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

**Customer:** Euphoric Gummies  
**Product identity:** Blue Raspberry Square 3542022DDB0000613 10mg D9 (3.75g)  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:**  
**Evidence of Cooling:** No  
**Temp:**  
**Relinquished by:**  
**Serving Size #1:**



### Sample Results

Potency per 3.75g	Method: J AOAC 2015 V98-6 (mod)	Units	mg/ser	Batch: 2300116	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 3.75g	< LOQ		mg/3.75g	0.121	
CBD-A per 3.75g	< LOQ		mg/3.75g	0.121	
CBD-Total per 3.75g	< LOQ		mg/3.75g	0.228	
CBG per 3.75g	< LOQ		mg/3.75g	0.121	
CBG-A per 3.75g	< LOQ		mg/3.75g	0.121	
CBG-Total per 3.75g	< LOQ		mg/3.75g	0.226	
CBN per 3.75g	< LOQ		mg/3.75g	0.121	
D10 -THC -9R per 3.75g	< LOQ		mg/3.75g	0.121	
D8 -THC per 3.75g	0.540		mg/3.75g	0.121	
D9 -THC per 3.75g	10.4		mg/3.75g	0.121	
THC-A per 3.75g	< LOQ		mg/3.75g	0.121	
THC-Total per 3.75g	10.4		mg/3.75g	0.228	

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2300101	01/07/23 AOAC 990.12 (Petrifilm) <sup>P</sup>	
E.coli	< LOQ		cfu/g	10	2300099	01/07/23 AOAC 991.14 (Petrifilm) <sup>P</sup>	
Total Coliforms	< LOQ		cfu/g	10	2300099	01/07/23 AOAC 991.14 (Petrifilm) <sup>P</sup>	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2300100	01/08/23 AOAC 2014.05 (RAPID) <sup>P</sup>	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2300100	01/08/23 AOAC 2014.05 (RAPID) <sup>P</sup>	



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

Solvents											Method: Residual Solvents by GC /MS <sup>b</sup>					Units	µg/g	Batch	2300453	Analyze	01/16/23	10:28 AM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes											
1,4 -Dioxane	< LOQ	380	100	pass		3utanol	< LOQ	5000	200	pass												
2-Ethoxyethanol		160	30.0	pass		2-Methylbutane (Isopentane )	< LOQ		200													
2-Methylpentane			30.0			2-Propanol (IPA )	< LOQ	5000	200	pass												
2,2 -Dimethylbutane			30.0			2,2 -Dimethylpropane	< LOQ		200													
2,3 -Dimethylbutane			30.0			ethylpentane	< LOQ		30.0													
Acetone		5000	200	pass		etonitrile	< LOQ	410	100	pass												
Benzene		2.00	1.00	pass		Butane (sum )	< LOQ	5000	400	pass												
Cyclohexane		3880	200	pass		yl acetate	< LOQ	5000	200	pass												
Ethyl benzene			200			hyl ether	< LOQ	5000	200	pass												
Ethylene glycol		620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass												
Hexanes (sum )		290	150	pass		ropyl acetate	< LOQ	5000	200	pass												
Isopropylbenzene (Cumene)		70.0	30.0	pass		m,p-Xylene	< LOQ		200													
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass												
Methylpropane (Isobutane			200			n-Butane	< LOQ		200													
n-Heptane	< LOQ	5000	200	pass		exane	< LOQ		30.0													
n-Pentane			200			ylene	< LOQ		200													
Pentanes (sum )		5000	600	pass		opane	< LOQ	5000	200	pass												
Tetrahydrofuran		720	100	pass		luene	< LOQ	890	100	pass												
Total Xylenes			400			Total Xylenes and Ethyl	< LOQ	2170	600	pass												

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless



Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod 1)											
Units mg/kç Batch 2300273 Analyze 01/10/23 10:42 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>¶</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>¶</sup>	< LOQ	2.0	1.00	pass		Acetamidrid <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>¶</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>¶</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>¶</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>¶</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>¶</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>¶</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>¶</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>¶</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>¶</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>¶</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>¶</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>¶</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>¶</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>¶</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>¶</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>¶</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>¶</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>¶</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>¶</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>¶</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>¶</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>¶</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>¶</sup>	< LOQ	0.20	0.100	pass		Naled <sup>¶</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>¶</sup>	< LOQ	1.0	0.500	pass		Pacllobutrazole <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>¶</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>¶</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>¶</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>¶</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>¶</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I(total) <sup>¶</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>¶</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>¶</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>¶</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>¶</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>¶</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>¶</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>¶</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0163	2300352	01/11/23	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0163	2300352	01/11/23	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Lead	0.0472	0.500	mg/kg	0.0163	2300352	01/11/23	AOAC 2013.06 (mod.) <sup>p</sup>	pass		
Mercury	< LOQ	0.100	mg/kg	0.00816	2300352	01/11/23	AOAC 2013.06 (mod.) <sup>p</sup>	pass		



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

**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):** Levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

**Units of Measure**

Approved Signatory

Derrick  
Tanner



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-00025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31



**Hemp & Cannabis: Usable / Extract / Finished Product  
Chain of Custody Record**

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Document Control ID: 2832 Revision: 5  
Effective: 01/04/2022

DEV DISTRIBUTION

23-000025



DEV Distribution

**Company:** Dev Distribution  
**Contact:** Deanna Petrin  
**Address:** 8101 Royal Ridge Parkway  
**City:** Irving **State:** TX **Zip Code:** 75063  
 **Email Results:** DROPBOX deanna@dev-nutra.com  
 **Ph:** ( 469 ) - 373 - 3200  
*Billing Contact (if different)*  
**Name:** CC AUTH ON FILE **Email:**  
**Address:**  
**City:** **State:** **Zip:**  
**Ph:** ( ) -

Analysis Requested							
Pesticides Oregon (P2120)	Residual Solvents Oregon (H0008)	Heavy Metals (H0013)	Mycotoxins (H0042)	Micro Profile D (M1010)	Terpenes (H0030)	Potency - Basic (H0014)	Potency Basic + Expanded (H0010)
							Potency Basic + ADCs (H0015)

**Custom Reporting:**  
**Source Material:**  - Ind. Hemp product |  - Rec. Cannabis  
**Reporting Type:**  - Compliance |  - R&D  
**Report to:**  - METRC |  - ODA |  - USDA |  
 - Other:

**Turnaround time (TAT - Business Days):**  
 - 5BD |  - 3BD\* |  - 2BD\*  
*\*Check for availability*

Lab ID	Client Sample Identification	Sample date	Pesticides Oregon (P2120)	Residual Solvents Oregon (H0008)	Heavy Metals (H0013)	Mycotoxins (H0042)	Micro Profile D (M1010)	Terpenes (H0030)	Potency - Basic (H0014)	Potency Basic + Expanded (H0010)	Potency Basic + ADCs (H0015)	Other:	Material Type †	Weight (Units)	Comments/Metric ID
	Mango Square 3552022DDB0000616 50mg D8 (3.3g)	12/22/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	Contains Active as Noted
	Strawberry Square 3542022DDB0000614 10mg D9 (3.75g)	12/21/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	Please report in mg/serving
	Pineapple Square 3532022DDB0000611 10mg D9 10mg CBD (3.75g)	12/19/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	Standard Serving Sizes:
	Blue Raspberry Square 3532022DDB0000610 10mg D9 10mg CBD (3.75g)	12/19/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	D8: 3.3g
	Blue Raspberry Square 3552022DDB0000615 25mg D8 (3.3g)	12/22/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	D9: 3.75g/3.3g
	Blue Raspberry Square 3542022DDB0000613 10mg D9 (3.75g)	12/20/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	HHC: 3.3g
	Mango Square 3532022DDB0000612 10mg D9 10mg CBD (3.75g)	12/20/22	✓	✓	✓	✓	✓	✓	✓				E	40-36.9g	D10: 3.3g
															THCO: 3.3g
															CBD: 3.3g
															Mother Liquor: 3.3g
															Diamonds: 5g
															Hearts: 6g

Signature - Relinquished By:	Date	Time	Signature - Received By:	Date	Time	Lab Use Only:
<i>Deanna Petrin</i>	12/27/22	11:28a.m.	<i>RBS</i>	01/03/23	04:16:31	<input checked="" type="checkbox"/> Shipped Via: <i>UPS</i> or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): <i>12.1</i> Sample in good condition: <input type="checkbox"/> Yes   <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage:

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)  
 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  
 Portland, OR 97230  
 P: (503) 254-1794 | Fax: (503) 254-1452  
 info@columbialaboratories.com  
 www.columbialaboratories.com  
 Page 1 of 1





12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-00025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2300116		Sample ID: 22-015703-0002				
Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes	
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.221	0.217	0.003	%	1.72	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.247	0.246	0.003	%	0.387	< 20	Acceptable		
0.0629	0.0581	0.003	%	8.01	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		

Units of Measure:





12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-00025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

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

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2300273			
Laboratory Control Sample							
Blank Result	Blank Limits	Notes	LCS	LCS Spike	LCS % Rec	Limits	Notes
0.000	< 0.250			1.000	100.3	50.0	150
0.000	< 0.200			0.800	95.8	60.0	120
0.000	< 1.000			4.000	97.9	40.0	160
0.000	< 0.100			0.400	97.1	60.0	120
0.000	< 0.200			0.800	104.3	60.0	120
0.000	< 0.100			0.400	95.3	60.0	120
0.000	< 0.100			0.400	107.4	60.0	120
0.000	< 0.100			0.400	99.2	50.0	150
0.000	< 0.200			0.800	97.5	60.0	120
0.000	< 0.100			0.400	98.5	60.0	120
0.000	< 0.100			0.400	97.7	60.0	120
0.000	< 0.100		0.397	0.400	99.2	60.0	120
0.000	< 0.500			2.000	98.7	60.0	120
0.000	< 0.100			0.400	92.6	60.0	120
0.000	< 0.100			0.400	72.1	60.0	120
0.000	< 0.500			2.000	98.2	50.0	150
0.000	< 0.500		1.915	2.000	95.8	50.0	150
0.000	< 0.500			2.000	33.7	60.0	120
0.000	< 0.100			0.400	102.5	60.0	120
0.000	< 0.500			2.000	97.6	60.0	120
0.000	< 0.100			0.400	100.7	60.0	120
0.000	< 0.100		0.392	0.400	98.0	60.0	120
0.000	< 0.200			0.800	95.0	50.0	150
0.000	< 0.100			0.400	100.1	60.0	120
0.000	< 0.100			0.400	97.1	60.0	120
0.000	< 0.200			0.800	95.9	60.0	120
0.000	< 0.200		0.814	0.800	101.8	60.0	120
0.000	< 0.250			1.000	102.6	60.0	120
0.000	< 0.200			0.800	100.9	50.0	150
0.000	< 0.250			1.000	96.1	60.0	120
0.000	< 0.100			0.400	100.6	60.0	120
0.000	< 0.200		0.796	0.800	99.4	60.0	120
0.000	< 0.200			0.800	100.4	60.0	120
0.000	< 0.100			0.400	98.1	60.0	120
0.000	< 0.100			0.400	100.0	60.0	120
0.000	< 0.100			0.400	99.8	60.0	120
0.000	< 0.200		0.819	0.800	102.4	60.0	120
0.000	< 0.100			0.400	98.6	50.0	150
0.000	< 0.100		0.398	0.400	99.6	60.0	120
0.000	< 0.250			1.000	98.4	50.0	150
0.000	< 0.500			2.000	100.2	60.0	120
0.000	< 0.200			0.800	97.9	60.0	120
0.000	< 0.100			0.400	102.2	50.0	150
0.000	< 0.100		0.383	0.400	95.8	50.0	150
0.000	< 0.100		0.401	0.400	100.3	50.0	150
0.000	< 0.500		2.064	2.000	103.2	60.0	120
0.000	< 0.100			0.400	100.4	60.0	120
0.000	< 0.200		0.815	0.800	101.9	60.0	120
0.000	< 0.100		0.399	0.400	99.9	60.0	120
0.001	< 0.100			0.488	100.4	60.0	120
0.000	< 0.100			0.400	96.6	50.0	150
0.000	< 0.100			0.388	98.2	50.0	150
0.000	< 0.100			0.400	95.9	60.0	120
0.000	< 0.100		0.385	0.400	96.2	60.0	120
0.000	< 0.200			0.800	98.5	60.0	120
0.000	< 0.200			0.800	100.0	60.0	120
0.000	< 0.100			0.400	98.8	60.0	120
0.000	< 0.100			0.400	103.6	60.0	120
0.000	< 0.100		0.393	0.400	98.2	60.0	120

Q6



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

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

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 00273				Sample ID: 23-000025-0001	
Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec			Notes	
0.000	0.938	0.979	1.000	4.2%	< 30	93.8%	97.9%	50	-	150	
0.000	0.746	0.743	0.800	0.4%	< 30	93.3%	92.9%	50	-	150	
0.000	3.577	3.754	4.000	4.8%	< 30	89.4%	93.9%	50	-	150	
0.000	0.383	0.383	0.400	0.2%	< 30	95.9%	95.7%	50	-	150	
0.000	0.809	0.823	0.800	1.7%	< 30	101.2%	102.8%	50	-	150	
0.000	0.369	0.371	0.400	0.5%	< 30	92.2%	92.6%	50	-	150	
0.000	0.386	0.397	0.400	2.8%	< 30	96.5%	99.3%	50	-	150	
0.000	0.362	0.373	0.400	3.1%	< 30	90.5%	93.3%	50	-	150	
0.000	0.758	0.766	0.800	1.1%	< 30	94.8%	95.8%	50	-	150	
0.000	0.377	0.391	0.400	3.6%	< 30	94.3%	97.7%	50	-	150	
0.000	0.368	0.380	0.400	3.1%	< 30	92.0%	94.9%	50	-	150	
0.000	0.375	0.391	0.400	4.1%	< 30	93.8%	97.8%	50	-	150	
0.000	1.900	1.861	2.000	2.1%	< 30	95.0%	93.1%	50	-	150	
0.000	0.333	0.345	0.400	3.4%	< 30	83.4%	86.2%	50	-	150	
0.000	0.054	0.052	0.400	3.8%	< 30	13.4%	12.9%	50	-	150	
0.000	1.975	2.108	2.000	6.5%	< 30	98.8%	105.4%	30	-	150	
0.000	1.931	2.012	2.000	4.1%	< 30	96.5%	100.6%	50	-	150	
0.000	0.650	0.672	2.000	3.3%	< 30	32.5%	33.6%	30	-	150	
0.000	0.324	0.341	0.400	5.1%	< 30	81.0%	85.2%	50	-	150	
0.000	1.890	1.963	2.000	3.8%	< 30	94.5%	98.1%	50	-	150	
0.000	0.381	0.389	0.400	1.9%	< 30	95.3%	97.2%	50	-	150	
0.000	0.375	0.376	0.400	0.1%	< 30	93.8%	93.9%	50	-	150	
0.000	0.709	0.728	0.800	2.6%	< 30	88.6%	91.0%	50	-	150	
0.000	0.363	0.375	0.400	3.4%	< 30	90.6%	93.8%	50	-	150	
0.000	0.368	0.373	0.400	1.3%	< 30	92.0%	93.2%	50	-	150	
0.000	0.808	0.826	0.800	2.3%	< 30	101.0%	103.3%	50	-	150	
0.000	0.865	0.903	0.800	4.3%	< 30	108.1%	112.9%	50	-	150	
0.000	1.014	1.030	1.000	1.6%	< 30	101.4%	103.0%	50	-	150	
0.000	0.765	0.758	0.800	0.9%	< 30	95.6%	94.8%	50	-	150	
0.000	0.831	0.824	1.000	0.9%	< 30	83.1%	82.4%	50	-	150	
0.000	0.379	0.390	0.400	2.9%	< 30	94.8%	97.6%	50	-	150	
0.000	0.739	0.764	0.800	3.4%	< 30	92.4%	95.5%	50	-	150	
0.000	0.740	0.761	0.800	2.8%	< 30	92.5%	95.2%	50	-	150	
0.000	0.370	0.383	0.400	3.4%	< 30	92.6%	95.8%	50	-	150	
0.000	0.380	0.382	0.400	0.4%	< 30	95.1%	95.5%	50	-	150	
0.000	0.379	0.386	0.400	1.9%	< 30	94.7%	96.5%	50	-	150	
0.000	0.817	0.811	0.800	0.8%	< 30	102.1%	101.3%	50	-	150	
0.000	0.369	0.369	0.400	0.1%	< 30	92.2%	92.3%	50	-	150	
0.000	0.366	0.388	0.400	5.8%	< 30	91.5%	97.0%	50	-	150	
0.000	0.930	0.963	1.000	3.5%	< 30	93.0%	96.3%	50	-	150	
0.000	1.968	2.071	2.000	5.1%	< 30	98.4%	103.5%	50	-	150	
0.000	0.755	0.776	0.800	2.7%	< 30	94.4%	97.0%	50	-	150	
0.000	0.384	0.407	0.400	6.0%	< 30	95.9%	101.8%	30	-	150	
0.000	0.363	0.385	0.400	5.9%	< 30	90.6%	96.2%	50	-	150	
0.000	0.378	0.375	0.400	0.6%	< 30	94.4%	93.8%	50	-	150	
0.000	1.815	1.959	2.000	7.6%	< 30	90.8%	98.0%	50	-	150	
0.000	0.369	0.382	0.400	3.6%	< 30	92.2%	95.6%	50	-	150	
0.000	0.751	0.766	0.800	1.9%	< 30	93.9%	95.8%	50	-	150	
0.000	0.379	0.389	0.400	2.6%	< 30	94.7%	97.2%	50	-	150	
0.000	0.631	0.643	0.488	1.9%	< 30	129.3%	131.7%	50	-	150	
0.000	0.369	0.372	0.400	1.0%	< 30	92.2%	93.1%	50	-	150	
0.000	0.365	0.379	0.388	3.7%	< 30	94.1%	97.6%	50	-	150	
0.000	0.360	0.372	0.400	3.3%	< 30	89.9%	93.0%	50	-	150	
0.000	0.367	0.371	0.400	1.0%	< 30	91.8%	92.8%	50	-	150	
0.000	0.749	0.773	0.800	3.2%	< 30	93.6%	96.7%	50	-	150	
0.000	0.762	0.767	0.800	0.8%	< 30	95.2%	95.9%	50	-	150	
0.000	0.380	0.390	0.400	2.4%	< 30	95.1%	97.4%	50	-	150	
0.000	0.410	0.410	0.400	0.1%	< 30	102.5%	102.5%	50	-	150	
0.000	0.336	0.351	0.400	4.3%	< 30	84.1%	87.8%	50	-	150	



12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-00025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31

Revision: 2 Document ID:

Laboratory Quality Control Results 7087

Residual Solvents				Batch ID: 2300453					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		584	572	µg/g	102.1	60 - 120	
		< 200		708	731	µg/g	96.9	60 - 120	
		< 200		687	731	µg/g	94.0	60 - 120	
		< 200		933	938	µg/g	99.7	60 - 120	
		< 200		1650	1620	µg/g	101.9	60 - 120	
		< 30		56.3	56.2	µg/g	100.2	60 - 120	
		< 200		1370	1610	µg/g	85.1	60 - 120	
		< 200		1350	1600	µg/g	84.4	60 - 120	
	ND	< 200		1410	1610	µg/g	87.6	70 - 130	
		< 200		1460	1630	µg/g	89.6	60 - 120	
	ND	< 30		146	171	µg/g	85.4	60 - 120	
		< 200		1520	1630	µg/g	93.3	60 - 120	
		< 200		1630	1620	µg/g	100.6	60 - 120	
		< 500		1650	1670	µg/g	98.8	70 - 130	
		< 100		456	498	µg/g	91.6	60 - 120	
		< 500		1600	1730	µg/g	92.5	70 - 130	
	ND	< 30		155	171	µg/g	90.6	60 - 120	
		< 60		449	483	µg/g	93.0	60 - 120	
		< 30		144	168	µg/g	85.7	60 - 120	
		< 500		1550	1650	µg/g	93.9	70 - 130	
		< 30		137	167	µg/g	82.0	60 - 120	
		< 30		202	182	µg/g	111.0	60 - 120	
	ND	< 500		1690	1620	µg/g	104.3	70 - 130	
		< 500		1600	1620	µg/g	98.8	70 - 130	
		< 200		1610	1610	µg/g	100.0	60 - 120	
		< 200		1600	1600	µg/g	100.0	60 - 120	
		< 100		384	483	µg/g	79.5	60 - 120	
		< 200		1370	1610	µg/g	85.1	60 - 120	
	ND	< 500		1780	1620	µg/g	109.9	70 - 130	
		< 1		5.06	5.02	µg/g	100.8	60 - 120	
		< 200		1510	1620	µg/g	93.2	60 - 120	
		< 200		1520	1610	µg/g	94.4	60 - 120	
		< 500		1620	1630	µg/g	99.4	70 - 130	
		< 500		1660	1610	µg/g	103.1	70 - 130	
	ND	< 100		368	491	µg/g	74.9	60 - 120	
	ND	< 30		345	481	µg/g	190.6	60 - 120 Q1	
	ND	< 500		1730	1620	µg/g	106.8	70 - 130	
	ND	< 500		1420	1630	µg/g	87.1	70 - 130	
	ND	< 200		374	484	µg/g	77.3	60 - 120	
	ND	< 100		405	485	µg/g	83.5	60 - 120	
	ND	< 500		1610	1630	µg/g	98.8	70 - 130	
	ND	< 500		1460	1620	µg/g	90.1	70 - 130	
	ND	< 500		1620	1620	µg/g	100.0	70 - 130	
	ND	< 200		818	969	µg/g	84.4	60 - 120	
		< 200		724	994	µg/g	72.8	60 - 120	
		< 200		687	967	µg/g	71.0	60 - 120	
		< 30		97.2	171	µg/g	56.8	60 - 120 Q6	
	ND	< 500		1520	1630	µg/g	93.3	70 - 130	
	ND	< 500		1610	1680	µg/g	95.8	70 - 130	
	ND	< 50		176	169	µg/g	104.1	70 - 130	
	ND	< 500		1560	1630	µg/g	95.7	70 - 130	
	ND	< 150		453	482	µg/g	94.0	70 - 130	
	ND	< 150		415	510	µg/g	81.4	70 - 130	
	ND	< 50		209	203	µg/g	103.0	70 - 130	
	ND	< 50		172	172	µg/g	100.0	70 - 130	
	ND	< 1		1.16	1	µg/g	116.0	70 - 130	
		< 1		1.17	1	µg/g	117.0	70 - 130	
	ND	< 1		1.18	1	µg/g	118.0	70 - 130	
	ND	< 1		1.1	1	µg/g	110.0	70 - 130	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless





12423 NE  
Whitaker Way  
Portland, OR



**Report** 23-000025/D004.R000  
01/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/23 10:31





Explanation of QC Flag Comments:

Code	Explanation
	Interferences affecting spike or surrogate recoveries.
	Quality control result biased high. Only non-detect samples
	Value outside QC limits. Data considered estimate.
	Concentration greater than four times the amount
	Heterogeneous sample matrix, affecting RPD result and/or %
	Results above calibration curve.
	Value outside QC limits. Data acceptable based on remaining
	Percent difference (RPD) outside control limit.
	RPD non-calculable, as sample or duplicate results are less than five times the
	RPD non-calculable, as only one replicate is within the analytical
	Detection level raised due to low sample volume and/or
	Detection level raised due to matrix interference.
	Contaminant detected in method blank, but not in associated
	The sample concentration is greater than 5 times the blank
	The sample concentration is less than 5 times the blank concentration.