Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-001673/D019.R001
Report Date: 02/21/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/14/22 10:00

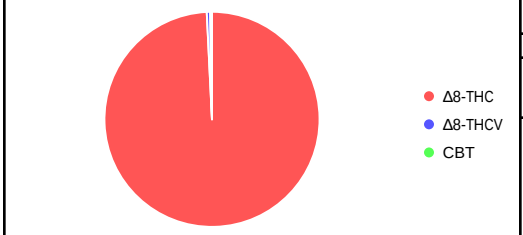
This is an amended version of report# 22-001673/D019.R000.
Reason: Combined results with report 22-000807/D026.R000.

Customer: KIK By Kalibloom
Product identity: Berry Kush
Project Number: 210020
Client/Metrc ID: .
Laboratory ID: 22-001673-0005

Summary

Potency:

Analyte	Result (%)
Δ8-THC†	77.3
Δ8-THCV	0.395
CBT†	0.210



CBD-Total <LOQ

THC-Total <LOQ

(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Heptane	278	5000	pass
2-Propanol (IPA)	213	5000	pass

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene†	1.63	39.66%	ß-Caryophyllene†	0.680	16.55%
ß-Myrcene†	0.497	12.09%	Linalool†	0.348	8.47%
a-pinene†	0.272	6.62%	p-Cymene†	0.206	5.01%
Humulene†	0.167	4.06%	(-)-ß-Pinene†	0.111	2.70%
Camphene†	0.0788	1.92%	(+)-fenchol†	0.0568	1.38%
Terpinolene†	0.0386	0.94%	(-)-a-Terpineol†	0.0235	0.57%
Total Terpenes†	**4.11**	**100.00%**			

Metals:

Less than LOQ for all analytes.

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Report Date: 02/21/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/14/22 10:00

Customer: KIK By Kalibloom
United States of America (USA)
Product identity: Berry Kush
Project Number: 210020
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-001673-0005
Evidence of Cooling: No
Temp: 20.3 °C
Relinquished by: UPS

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Units** % **Batch:** 2201358 **Analyze:** 2/16/22 12:54:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0850	
CBC-A†	< LOQ		0.0850	
CBC-Total†	< LOQ		0.160	
CBD	< LOQ		0.0850	
CBD-A	< LOQ		0.0850	
CBD-Total	< LOQ		0.160	
CBDV†	< LOQ		0.0850	
CBDV-A†	< LOQ		0.0850	
CBDV-Total†	< LOQ		0.159	
CBE†	< LOQ		0.0850	
CBG†	< LOQ		0.0850	
CBG-A†	< LOQ		0.0850	
CBG-Total	< LOQ		0.159	
CBL†	< LOQ		0.0850	
CBL-A†	< LOQ		0.0850	
CBL-Total†	< LOQ		0.160	
CBN	< LOQ		0.0850	
CBT†	0.210		0.0850	
Δ8-THC†	77.3		0.850	
Δ8-THCV	0.395		0.0850	
Δ9-THC	< LOQ		0.0850	
THC-A	< LOQ		0.0850	
THC-Total	< LOQ		0.160	
THCV†	< LOQ		0.0850	
THCV-A†	< LOQ		0.0850	
THCV-Total†	< LOQ		0.159	
Total Cannabinoids†	77.9			

Columbia LABORATORIES
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12423 NE Whitaker Way
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503-254-1794

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Solvents **Method** Residual Solvents by GC/MS **Units** µg/g **Batch** 2200691 **Analyze** 01/26/22 11:31 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)	213	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	278	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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Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2200718 **Analyze** 01/27/22 09:14 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							

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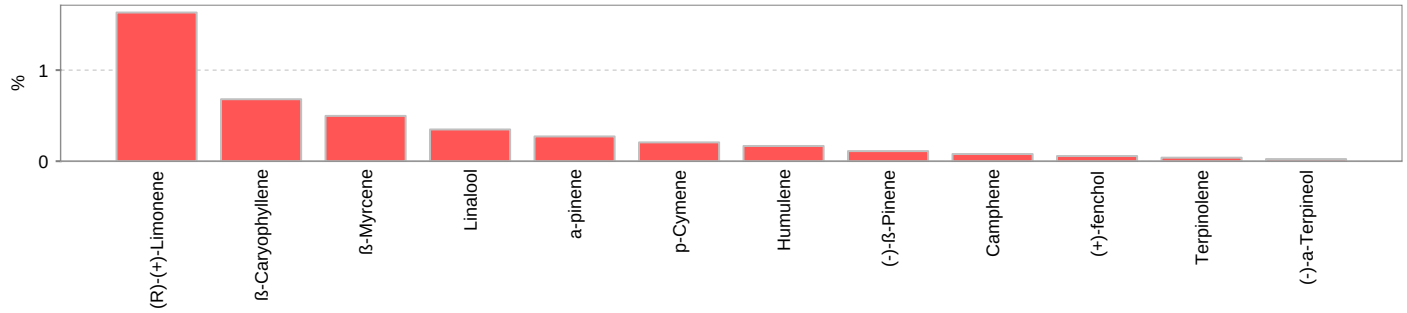
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Terpenes

Method J AOAC 2015 V98-6 **Units** % **Batch** 2200733 **Analyze** 01/26/22 09:11 PM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene†	1.63	0.019	39.66%		ß-Caryophyllene†	0.680	0.019	16.545%	
ß-Myrcene†	0.497	0.019	12.092%		Linalool†	0.348	0.019	8.467%	
a-pinene†	0.272	0.019	6.618%		p-Cymene†	0.206	0.019	5.012%	
Humulene†	0.167	0.019	4.063%		(-)-ß-Pinene†	0.111	0.019	2.701%	
Camphene†	0.0788	0.019	1.9173%		(+)-fenchol†	0.0568	0.019	1.3820%	
Terpinolene†	0.0386	0.019	0.9392%		(-)-a-Terpineol†	0.0235	0.019	0.5718%	
d-3-Carene†	< LOQ	0.019	0.00%		(-)-Guaiol†	< LOQ	0.019	0.00%	
gamma-Terpinene†	< LOQ	0.019	0.00%		(-)-caryophyllene oxide†	< LOQ	0.019	0.00%	
Geraniol†	< LOQ	0.019	0.00%		(±)-fenchone†	< LOQ	0.019	0.00%	
nerol†	< LOQ	0.019	0.00%		valencene†	< LOQ	0.019	0.00%	
a-Terpinene†	< LOQ	0.019	0.00%		(±)-Camphor†	< LOQ	0.019	0.00%	
cis-ß-Ocimene†	< LOQ	0.006	0.00%		(-)-Isopulegol†	< LOQ	0.019	0.00%	
a-Bisabolol†	< LOQ	0.019	0.00%		(±)-trans-Nerolidol†	< LOQ	0.019	0.00%	
(+)-Pulegone†	< LOQ	0.019	0.00%		(±)-cis-Nerolidol†	< LOQ	0.019	0.00%	
Menthol†	< LOQ	0.019	0.00%		Sabinene hydrate†	< LOQ	0.019	0.00%	
farnesene†	< LOQ	0.019	0.00%		(+)-Borneol†	< LOQ	0.019	0.00%	
(+)-Cedrol†	< LOQ	0.019	0.00%		a-cedrene†	< LOQ	0.019	0.00%	
a-phellandrene†	< LOQ	0.019	0.00%		Eucalyptol†	< LOQ	0.019	0.00%	
Geranyl acetate†	< LOQ	0.019	0.00%		Isoborneol†	< LOQ	0.019	0.00%	
Sabinene†	< LOQ	0.019	0.00%		trans-ß-Ocimene†	< LOQ	0.013	0.00%	
Total Terpenes	**4.11**								



Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0424	2200709	01/26/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0424	2200709	01/26/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0424	2200709	01/26/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0212	2200709	01/26/22	AOAC 2013.06 (mod.)	pass	X

Columbia LABORATORIES
A Tentamus Company

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503-254-1794

Report Number:	22-000807/D026.R000
Report Date:	02/04/2022
ORELAP#:	OR100028
Purchase Order:	210020
Received:	01/21/22 15:08

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.

† = 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

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	22-000807/D026.R000
Report Date:	02/04/2022
ORELAP#:	OR100028
Purchase Order:	210020
Received:	01/21/22 15:08

Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract
Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020
ORELAP ID: **OR100028**

Company: Kik By Kaliblooм
Contact: Taylor
Street: 3315 E Russel Rd STE A5 #324
City: Las Vegas State: NV Zip: 89120
☐ Email Results: kaliblamworldwide@gmail
Ph: (___)_____ ☐ Fx Results: (___)_____
Billing (if different):_____

PO Number: 210020
Project Number: _____
Project Name: _____
Custom Reporting: _____
Report to State - ☐ METRC or ☐ Other:_____
Turnaround time: ☐ Standard ☒ Rush * ☐ Priority Rush *
*Ask for availability
Sampled by: _____

Lab ID	Client Sample Identification	Date	Time	Potency	Metals	Solvents	Pesticides	Terpene	Sample Type †	Weight (Units)	Comments/Metrc ID
	Berry Kush			X	X	X	X	X			
	Biscotti			X	X	X	X	X			
	ChemDawg			X	X	X	X	X			
	Fire OG			X	X	X	X	X			
	Gelato #41			X	X	X	X	X			
	Grape Ape			X	X	X	X	X			
	Guava			X	X	X	X	X			
	Gushers			X	X	X	X	X			
	King Louis XIII			X	X	X	X	X			
	Lemon Cake			X	X	X	X	X			
	Papaya Rosin			X	X	X	N	X			

Relinquished By:	Date	Time	Received By:	Date	Time
			TS	1/21/22	15:08

Lab Use Only:
☒ Shipped Via: Fedex or ☐ Client drop
Evidence of cooling: ☐ Yes | ☒ No - Temp (°C): 15.5°C
Sample in good condition: ☒ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net: _____
Prelog storage: _____

† - Sample Type Codes: Vegitation (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
Portland, OR 97230
503-254-1794

Report Number:	22-000807/D026.R000
Report Date:	02/04/2022
ORELAP#:	OR100028
Purchase Order:	210020
Received:	01/21/22 15:08

Hemp / Cannabis Usable / Extract
Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020
ORELAP ID: **OR100028**

PRICING AND CHARGES
Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Laboratories (herein referred to as "the LAB". Standard pricing applies unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS
The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required, and an additional monthly fee will apply.

CONFIDENTIALITY
The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY
The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS
Credit line account are payable within 30 days. Accounts that are 60 days past due will incur $1^1/_2$% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES
In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)
Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW
Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws

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

Columbia LABORATORIES
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Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract
Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020
ORELAP ID: **OR100028**

Company: Kik By kaliblaw
Contact: Taylor
Street: 3315 E Russel Rd St A4
City: # 344 Las Vegas State: NV Zip: 89120
☐ Email Results: kaliblawmobile@gmail.com
Ph: (___)_____ ☐ Fx Results: (___)_____
Billing (if different):_____

PO Number: _____
Project Number: _____
Project Name: _____
Custom Reporting: _____
Report to State - ☐ METRC or ☐ Other: _____
Turnaround time: ☐ Standard ☑ Rush * ☐ Priority Rush *
**Ask for availability*
Sampled by: _____

Lab ID	Client Sample Identification	Date	Time	Potency	Metals	Solvents	Pesticides	Terpenes	Sample Type †	Weight (Units)	Comments/Metrc ID
	Runtz			X	X	X	X	X			
	Ice Cream Cake			X	X	X	X	X			
	Sour Diesel Sauce			X	X	X	X	X			
	Blue Dream			X	X	X	X	X			
	Gorilla glue			X	X	X	X	X			
	Girl Scout Cookies			X	X	X	X	X			
	NYC Diesel			X	X	X	X	X			
	Paris OG			X	X	X	X	X			
	Exotic Jack			X	X	X	X	X			
	Mimosa			X	X	X	X	X			
	Master Kush			X	X	X	X	X			

Relinquished By:	Date	Time	Received By:	Date	Time
			DS	1/21/22	15:08

Lab Use Only:
☑ Shipped Via: Fedex or ☐ Client drop
Evidence of cooling: ☐ Yes | ☑ No - Temp (°C): 15.5°C
Sample in good condition: ☑ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net: _____
Prelog storage: _____

† - Sample Type Codes: Vegitation (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
Portland, OR 97230
P: (503) 254-1794 | Fax: (503) 254-1452
info@columbialaboratories.com
www.columbialaboratories.com

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Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract
Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020
ORELAP ID: **OR100028**

Company: Kik by Kaliblam
Contact: Taylor
Street: 3315 E Russel rd STE A-4 #346
City: Las Vegas State: NV Zip: 89120
☐ Email Results: Kal.bloomworldwide@gmail
Ph: (___)_____ ☐ Fx Results: (___)_____
Billing (if different):_____

PO Number: _____
Project Number: _____
Project Name: _____
Custom Reporting: _____
Report to State - ☐ METRC or ☐ Other:_____
Turnaround time: ☐ Standard ☒ Rush * ☐ Priority Rush *
**Ask for availability*
Sampled by: _____

Lab ID	Client Sample Identification	Date	Time	Potency	metals	solvents	pesticides	Terpene	Sample Type †	Weight (Units)	Comments/Metrc ID
	Green Crack			X	X	X	X	X			
	Maui Wowie			X	X	X	X	X			

Relinquished By:	Date	Time	Received By:	Date	Time
			DS	1/21/22	15:08

Lab Use Only:
☒ Shipped Via: Fedex or ☐ Client drop
Evidence of cooling: ☐ Yes | ☒ No - Temp (°C): 15.5°C
Sample in good condition: ☒ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net: _____
Prelog storage: _____

† - Sample Type Codes: Vegitation (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

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	22-000807/D026.R000
Report Date:	02/04/2022
ORELAP#:	OR100028
Purchase Order:	210020
Received:	01/21/22 15:08

Columbia LABORATORIES
A Tentamus Company

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 1/21/22 Time: 15:08

Received By (Initials): DS Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO (NA)
If YES, how many and where? _____

Does date match collection date on COC? ---------- YES NO (NA)

2) Was Chain of Custody (COC) included in the package/cooler? (YES) NO NA

3) Was COC signed when relinquished and received? (time, date)? YES (NO) NA

4) How was the package/cooler delivered?

UPS (FEDEX) USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 2889 5979 0339

5) Was packing material used? (YES) NO NA

Peanuts (Bubble Wrap) Foam (Paper) Other:

6) Was temperature upon receipt 4°C+- 2°C (if appropriate)? YES NO (NA)
If not, client contacted: _____
Proceed? YES NO

7) Was there evidence of cooling? YES (NO) NA

What kind? Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES (NO) NA

9) Did all sample containers arrive in good condition? (YES) NO NA

10) Were all sample container labels complete? (YES) NO NA

11) Did all sample container labels and tags agree with the COC? (YES) NO NA

12) Were correct sample containers used for the tests indicated? (YES) NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO (NA)

14) Was a sufficient amount of sample sent in each sample container? (YES) NO NA

16) Sample location prior to login: R99 R39 R44 F44 (Ambient Shelf) Cannabis Table Other: _____

Explain any discrepancies: 15.5°C

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A Tentamus Company

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

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Revision: Document ID:
Legacy ID: Effective:

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2200691

Method Blank					Laboratory Control Sample						
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**		**Notes**
Propane	ND	<	200		452	401	µg/g	112.7	70	- 130	
Isobutane	ND	<	200		532	498	µg/g	106.8	70	- 130	
Butane	ND	<	200		538	493	µg/g	109.1	70	- 130	
2,2-Dimethylpropane	ND	<	200		747	628	µg/g	118.9	70	- 130	
Methanol	ND	<	200		1850	1610	µg/g	114.9	70	- 130	
Ethylene Oxide	ND	<	30		44.1	37.2	µg/g	118.5	70	- 130	
2-Methylbutane	ND	<	200		1840	1630	µg/g	112.9	70	- 130	
Pentane	ND	<	200		1870	1610	µg/g	116.1	70	- 130	
Ethanol	ND	<	200		1780	1630	µg/g	109.2	70	- 130	
Ethyl Ether	ND	<	200		1910	1610	µg/g	118.6	70	- 130	
2,2-Dimethylbutane	ND	<	30		194	165	µg/g	117.6	70	- 130	
Acetone	ND	<	200		1860	1610	µg/g	115.5	70	- 130	
2-Propanol	ND	<	200		1730	1610	µg/g	107.5	70	- 130	
Acetonitrile	ND	<	100		565	498	µg/g	113.5	70	- 130	
2,3-Dimethylbutane	ND	<	30		171	162	µg/g	105.6	70	- 130	
Dichloromethane	ND	<	60		536	498	µg/g	107.6	70	- 130	
2-Methylpentane	ND	<	30		192	167	µg/g	115.0	70	- 130	
3-Methylpentane	ND	<	30		182	179	µg/g	101.7	70	- 130	
Hexane	ND	<	30		175	164	µg/g	106.7	70	- 130	
Ethyl acetate	ND	<	200		1840	1620	µg/g	113.6	70	- 130	
2-Butanol	ND	<	200		1840	1600	µg/g	115.0	70	- 130	
Tetrahydrofuran	ND	<	100		554	500	µg/g	110.8	70	- 130	
Cyclohexane	ND	<	200		1740	1610	µg/g	108.1	70	- 130	
Benzene	ND	<	1		5.88	5.62	µg/g	104.6	70	- 130	
Isopropyl Acetate	ND	<	200		1720	1610	µg/g	106.8	70	- 130	
Heptane	ND	<	200		1780	1610	µg/g	110.6	70	- 130	
1,4-Dioxane	ND	<	100		561	502	µg/g	111.8	70	- 130	
2-Ethoxyethanol	ND	<	30		187	164	µg/g	114.0	70	- 130	
Ethylene Glycol	ND	<	200		587	502	µg/g	116.9	70	- 130	
Toluene	ND	<	200		516	488	µg/g	105.7	70	- 130	
Ethylbenzene	ND	<	200		964	965	µg/g	99.9	70	- 130	
m,p-Xylene	ND	<	200		965	990	µg/g	97.5	70	- 130	
o-Xylene	ND	<	200		922	971	µg/g	95.0	70	- 130	
Cumene	ND	<	30		168	179	µg/g	93.9	70	- 130	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Revision: Document ID:
Legacy ID: Effective:

QC - Sample Duplicate **Sample ID: 22-000800-0021**

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	222	204	200	µg/g	8.5	< 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	ND	ND	200	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	
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	

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: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2200704**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.198	0.2	%	98.9	85.0 - 115	Acceptable	
CBDV	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBE	0.199	0.2	%	99.3	85.0 - 115	Acceptable	
CBDA	0.209	0.2	%	104	85.0 - 115	Acceptable	
CBGA	0.198	0.2	%	98.8	85.0 - 115	Acceptable	
CBG	0.193	0.2	%	96.3	85.0 - 115	Acceptable	
CBD	0.199	0.2	%	99.5	85.0 - 115	Acceptable	
THCV	0.192	0.2	%	95.8	85.0 - 115	Acceptable	
d8THCV	0.195	0.2	%	97.7	85.0 - 115	Acceptable	
THCVA	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBN	0.202	0.2	%	101	85.0 - 115	Acceptable	
exo-THC	0.187	0.2	%	93.6	85.0 - 115	Acceptable	
d9THC	0.202	0.2	%	101	85.0 - 115	Acceptable	
d8THC	0.180	0.2	%	89.8	85.0 - 115	Acceptable	
CBL	0.189	0.2	%	94.3	85.0 - 115	Acceptable	
CBC	0.196	0.2	%	97.9	85.0 - 115	Acceptable	
THCA	0.200	0.2	%	99.8	85.0 - 115	Acceptable	
CBCA	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBLA	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBT	0.194	0.2	%	97.2	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	
CBDA	<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

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2200704**

Sample Duplicate Sample ID: **22-000807-0001**

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	0.321	0.366	0.1	%	13.2	< 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	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	67.6	79.7	0.1	%	16.4	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 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	0.235	0.200	0.1	%	15.7	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

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:** 2200718

Method Blank				Laboratory Control Sample				
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**	**Notes**
Acephate	0.000	< 0.250		0.890	1.000	89.0	72.8 - 134	
Acequinocyl	0.000	< 1.000		4.609	4.000	115.2	70.6 - 131	
Acetamiprid	0.000	< 0.100		0.380	0.400	95.0	79.0 - 127	
Aldicarb	0.000	< 0.200		0.778	0.800	97.3	69.5 - 129	
Abamectin	0.000	< 0.250		0.963	1.000	96.3	71.8 - 133	
Azoxystrobin	0.000	< 0.100		0.383	0.400	95.8	74.3 - 128	
Bifenazate	0.000	< 0.100		0.380	0.400	***95.0***	98.7 - 183	Q6
Bifenthrin	0.000	< 0.100		0.384	0.400	96.0	69.1 - 128	
Boscalid	0.000	< 0.200		0.625	0.800	78.1	74.3 - 138	
Carbaryl	0.000	< 0.100		0.381	0.400	95.2	76.8 - 130	
Carbofuran	0.000	< 0.100		0.386	0.400	96.4	72.8 - 135	
Chlorantraniliprol	0.000	< 0.100		0.373	0.400	93.4	81.8 - 119	
Chlorfenapyr	0.000	< 0.500		2.095	2.000	104.8	72.3 - 134	
Chlorpyrifos	0.000	< 0.100		0.394	0.400	98.5	70.2 - 130	
Clofentezine	0.000	< 0.100		0.385	0.400	96.3	73.1 - 129	
Cyfluthrin	0.000	< 0.500		1.934	2.000	96.7	71.9 - 134	
Cypermethrin	0.000	< 0.500		1.951	2.000	97.5	74.9 - 129	
Daminozide	0.242	< 0.500		1.771	2.000	88.5	76.0 - 141	
Diazinon	0.000	< 0.100		0.381	0.400	95.2	76.1 - 141	
Dichlorvos	0.000	< 0.500		1.931	2.000	96.6	74.4 - 126	
Dimethoat	0.000	< 0.100		0.369	0.400	92.3	80.7 - 125	
Ethoprophos	0.000	< 0.100		0.343	0.400	85.6	74.0 - 133	
Etofenprox	0.000	< 0.200		0.817	0.800	102.1	74.2 - 138	
Etoxazol	0.000	< 0.100		0.396	0.400	99.0	72.4 - 134	
Fenoxycarb	0.000	< 0.100		0.387	0.400	96.8	73.8 - 132	
Fenpyroximat	0.000	< 0.200		0.771	0.800	96.4	76.5 - 130	
Fipronil	0.000	< 0.200		0.795	0.800	99.3	80.2 - 135	
Flonicamid	0.000	< 0.250		0.915	1.000	91.5	71.0 - 132	
Fludioxonil	0.000	< 0.200		0.809	0.800	101.1	73.1 - 136	
Hexythiazox	0.000	< 0.250		0.972	1.000	97.2	70.9 - 132	
Imazalil	0.000	< 0.100		0.372	0.400	92.9	76.3 - 132	
Imidacloprid	0.000	< 0.200		0.735	0.800	91.8	79.0 - 128	
Kresoxim-Methyl	0.000	< 0.200		0.781	0.800	97.6	75.1 - 130	
Malathion	0.000	< 0.100		0.379	0.400	94.6	77.5 - 133	
Metalaxyl	0.000	< 0.100		0.378	0.400	94.5	77.1 - 130	
Methiocarb	0.000	< 0.100		0.374	0.400	93.5	81.0 - 124	
Methomyl	0.000	< 0.200		0.684	0.800	85.5	69.6 - 129	
MGK 264	0.000	< 0.100		0.360	0.400	89.9	74.1 - 133	
Myclobutanil	0.000	< 0.100		0.383	0.400	95.7	71.9 - 133	
Naled	0.000	< 0.250		0.974	1.000	97.4	72.9 - 132	
Oxamyl	0.000	< 0.500		1.893	2.000	94.6	70.3 - 131	
Paclobutrazol	0.000	< 0.200		0.775	0.800	96.9	72.6 - 135	
Parathion Methyl	0.000	< 0.200		0.804	0.800	100.5	74.6 - 133	
Permethrin	0.000	< 0.100		0.382	0.400	95.4	70.3 - 131	
Phosmet	0.000	< 0.100		0.381	0.400	95.2	76.8 - 131	
Piperonyl butoxide	0.000	< 0.500		1.939	2.000	96.9	72.9 - 135	
Prallethrin	0.000	< 0.100		0.370	0.400	92.6	77.5 - 127	
Propiconazole	0.000	< 0.200		0.770	0.800	96.2	73.6 - 134	
Propoxur	0.000	< 0.100		0.379	0.400	94.8	72.3 - 134	
Pyrethrins	0.001	< 0.100		0.415	0.413	100.6	69.0 - 128	
Pyridaben	0.000	< 0.100		0.408	0.400	101.9	71.2 - 132	
Spinosad	0.000	< 0.100		0.371	0.388	95.6	74.2 - 138	
Spiromesifen	0.000	< 0.100		0.424	0.400	106.0	72.3 - 134	
Spirotetramat	0.000	< 0.100		0.390	0.400	97.6	76.3 - 132	
Spiroxamine	0.000	< 0.200		0.743	0.800	92.9	74.0 - 128	
Tebuconazol	0.000	< 0.200		0.765	0.800	95.6	73.4 - 136	
Thiacloprid	0.000	< 0.100		0.391	0.400	97.7	78.2 - 130	
Thiamethoxam	0.000	< 0.100		0.359	0.400	89.7	73.5 - 129	
Trifloxystrobin	0.000	< 0.100		0.392	0.400	97.9	77.2 - 131	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

Revision: 3 Document ID: 3120
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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg						Batch ID: 2200718		
Matrix Spike/Matrix Spike Duplicate Recoveries							Sample ID: 22-000800-0018				
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits		Notes
Acephate	0.000	0.969	0.971	1.000	0.2%	< 30	96.9%	97.1%	50 - 150		
Acequinocyl	0.000	3.025	3.198	4.000	5.6%	< 30	75.6%	80.0%	50 - 150		
Acetamiprid	0.000	0.388	0.390	0.400	0.6%	< 30	97.0%	97.6%	50 - 150		
Aldicarb	0.000	0.788	0.807	0.800	2.4%	< 30	98.5%	100.9%	50 - 150		
Abamectin	0.000	1.054	1.100	1.000	4.3%	< 30	105.4%	110.0%	50 - 150		
Azoxystrobin	0.000	0.381	0.391	0.400	2.6%	< 30	95.2%	97.7%	50 - 150		
Bifenazate	0.000	0.416	0.406	0.400	2.4%	< 30	103.9%	101.5%	50 - 150		
Bifenthrin	0.000	0.396	0.408	0.400	3.0%	< 30	98.9%	102.0%	50 - 150		
Boscalid	0.000	0.773	0.738	0.800	4.6%	< 30	96.6%	92.3%	50 - 150		
Carbaryl	0.000	0.372	0.373	0.400	0.2%	< 30	93.0%	93.2%	50 - 150		
Carbofuran	0.000	0.384	0.385	0.400	0.2%	< 30	96.0%	96.2%	50 - 150		
Chlorantraniliprol	0.000	0.365	0.373	0.400	2.1%	< 30	91.3%	93.2%	50 - 150		
Chlorfenapyr	0.000	0.880	0.971	2.000	9.8%	< 30	44.0%	48.6%	50 - 150		Q
Chlorpyrifos	0.017	0.427	0.442	0.400	3.5%	< 30	102.5%	106.2%	50 - 150		
Clofentezine	0.000	0.399	0.402	0.400	0.8%	< 30	99.8%	100.6%	50 - 150		
Cyfluthrin	0.000	2.013	1.939	2.000	3.7%	< 30	100.6%	97.0%	30 - 150		
Cypermethrin	0.000	1.955	1.965	2.000	0.5%	< 30	97.7%	98.2%	50 - 150		
Daminozide	0.253	1.861	1.797	2.000	4.0%	< 30	80.4%	77.2%	30 - 150		
Diazinon	0.000	0.381	0.381	0.400	0.1%	< 30	95.3%	95.2%	50 - 150		
Dichlorvos	0.000	1.932	1.886	2.000	2.4%	< 30	96.6%	94.3%	50 - 150		
Dimethoat	0.000	0.389	0.390	0.400	0.2%	< 30	97.3%	97.5%	50 - 150		
Ethoprophos	0.000	0.367	0.375	0.400	2.1%	< 30	91.8%	93.7%	50 - 150		
Etofenprox	0.000	0.860	0.866	0.800	0.7%	< 30	107.5%	108.3%	50 - 150		
Etoxazol	0.000	0.511	0.507	0.400	0.8%	< 30	127.8%	126.8%	50 - 150		
Fenoxycarb	0.000	0.386	0.380	0.400	1.6%	< 30	96.6%	95.0%	50 - 150		
Fenpyroximat	0.000	0.795	0.815	0.800	2.4%	< 30	99.4%	101.8%	50 - 150		
Fipronil	0.000	0.826	0.833	0.800	0.8%	< 30	103.3%	104.1%	50 - 150		
Flonicamid	0.000	0.909	0.941	1.000	3.4%	< 30	90.9%	94.1%	50 - 150		
Fludioxonil	0.000	0.807	0.817	0.800	1.2%	< 30	100.9%	102.1%	50 - 150		
Hexythiazox	0.000	0.746	0.750	1.000	0.5%	< 30	74.6%	75.0%	50 - 150		
Imazalil	0.000	0.338	0.326	0.400	3.4%	< 30	84.5%	81.6%	50 - 150		
Imidacloprid	0.000	0.780	0.757	0.800	2.9%	< 30	97.5%	94.7%	50 - 150		
Kresoxim-Methyl	0.000	0.798	0.743	0.800	7.2%	< 30	99.7%	92.8%	50 - 150		
Malathion	0.000	0.397	0.377	0.400	5.3%	< 30	99.4%	94.3%	50 - 150		
Metalaxyl	0.051	0.380	0.364	0.400	5.1%	< 30	82.3%	78.2%	50 - 150		
Methiocarb	0.000	0.372	0.367	0.400	1.3%	< 30	92.9%	91.7%	50 - 150		
Methomyl	0.000	0.720	0.727	0.800	1.0%	< 30	90.0%	90.8%	50 - 150		
MGK 264	0.000	0.390	0.380	0.400	2.5%	< 30	97.5%	95.0%	50 - 150		
Myclobutanil	0.000	0.363	0.396	0.400	8.7%	< 30	90.7%	98.9%	50 - 150		
Naled	0.000	0.938	0.952	1.000	1.5%	< 30	93.8%	95.2%	50 - 150		
Oxamyl	0.000	1.934	1.732	2.000	11.0%	< 30	96.7%	86.6%	50 - 150		
Paclobutrazol	0.000	0.790	0.762	0.800	3.7%	< 30	98.7%	95.2%	50 - 150		
Parathion Methyl	0.000	0.775	0.705	0.800	9.5%	< 30	96.9%	88.1%	30 - 150		
Permethrin	0.000	0.416	0.424	0.400	1.9%	< 30	104.1%	106.1%	50 - 150		
Phosmet	0.000	0.399	0.369	0.400	7.8%	< 30	99.6%	92.2%	50 - 150		
Piperonyl butoxide	0.000	1.861	1.858	2.000	0.2%	< 30	93.0%	92.9%	50 - 150		
Prallethrin	0.000	0.414	0.408	0.400	1.4%	< 30	103.5%	102.1%	50 - 150		
Propiconazole	0.000	0.769	0.755	0.800	1.9%	< 30	96.2%	94.4%	50 - 150		
Propoxur	0.000	0.377	0.388	0.400	3.0%	< 30	94.2%	97.0%	50 - 150		
Pyrethrins	0.024	1.074	1.121	0.413	4.3%	< 30	254.3%	265.6%	50 - 150		Q1
Pyridaben	0.000	0.533	0.516	0.400	3.1%	< 30	133.2%	129.1%	50 - 150		
Spinosad	0.000	0.341	0.353	0.388	3.6%	< 30	87.8%	91.0%	50 - 150		
Spiromesifen	0.000	0.371	0.403	0.400	8.1%	< 30	92.9%	100.7%	50 - 150		
Spirotetramat	0.000	0.391	0.405	0.400	3.6%	< 30	97.7%	101.3%	50 - 150		
Spiroxamine	0.000	0.778	0.773	0.800	0.7%	< 30	97.3%	96.6%	50 - 150		
Tebuconazol	0.000	0.791	0.761	0.800	3.9%	< 30	98.9%	95.1%	50 - 150		
Thiacloprid	0.000	0.395	0.392	0.400	0.8%	< 30	98.9%	98.0%	50 - 150		
Thiamethoxam	0.000	0.333	0.379	0.400	13.1%	< 30	83.2%	94.9%	50 - 150		
Trifloxystrobin	0.000	0.344	0.329	0.400	4.3%	< 30	86.0%	82.3%	50 - 150		

Columbia LABORATORIES
A Tentamus Company

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503-254-1794

Report Number: 22-000807/D026.R000
Report Date: 02/04/2022
ORELAP#: OR100028
Purchase Order: 210020
Received: 01/21/22 15:08

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2200733

Method Blank					Laboratory Control Sample					
Analyte	**Result**	**LOQ**		**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	<	200		454	500	µg/g	***91%***	70 - 130	
Camphene	<LOQ	<	200		493	500	µg/g	***99%***	70 - 130	
Sabinene	<LOQ	<	200		488	500	µg/g	***98%***	70 - 130	
b-Pinene	<LOQ	<	200		506	500	µg/g	***101%***	70 - 130	
b-Myrcene	<LOQ	<	200		459	500	µg/g	***92%***	70 - 130	
a-phelllandrene	<LOQ	<	200		522	500	µg/g	***104%***	70 - 130	
d-3-Carene	<LOQ	<	200		428	500	µg/g	***86%***	70 - 130	
a-Terpinene	<LOQ	<	200		416	500	µg/g	***83%***	70 - 130	
p-Cymene	<LOQ	<	200		486	500	µg/g	***97%***	70 - 130	
D-Limonene	<LOQ	<	200		446	500	µg/g	***89%***	70 - 130	
Eucalyptol	<LOQ	<	200		489	500	µg/g	***98%***	70 - 130	
b-cis-Ocimene	<LOQ	<	67		174	167	µg/g	***104%***	70 - 130	
b-trans-Ocimene	<LOQ	<	133		290	333	µg/g	***87%***	70 - 130	
g-Terpinene	<LOQ	<	200		476	500	µg/g	***95%***	70 - 130	
Sabinene_Hydrate	<LOQ	<	200		444	500	µg/g	***89%***	70 - 130	
Terpinolene	<LOQ	<	200		470	500	µg/g	***94%***	70 - 130	
D-Fenchone	<LOQ	<	200		418	500	µg/g	***84%***	70 - 130	
Linalool	<LOQ	<	200		493	500	µg/g	***99%***	70 - 130	
Fenchol	<LOQ	<	200		450	500	µg/g	***90%***	70 - 130	
Camphor	<LOQ	<	200		461	500	µg/g	***92%***	70 - 130	
Isopulego	<LOQ	<	200		443	500	µg/g	***89%***	70 - 130	
Isoborneol	<LOQ	<	200		493	500	µg/g	***99%***	70 - 130	
Borneol	<LOQ	<	200		431	500	µg/g	***86%***	70 - 130	
DL-Menthol	<LOQ	<	200		493	500	µg/g	***99%***	70 - 130	
Terpineol	<LOQ	<	200		410	500	µg/g	***82%***	70 - 130	
Nerol	<LOQ	<	200		447	500	µg/g	***89%***	70 - 130	
Pulegone	<LOQ	<	200		418	500	µg/g	***84%***	70 - 130	
Gereniol	<LOQ	<	200		410	500	µg/g	***82%***	70 - 130	
Geranyl_Acetate	<LOQ	<	200		507	500	µg/g	***101%***	70 - 130	
a-Cedrene	<LOQ	<	200		437	500	µg/g	***87%***	70 - 130	
b-Caryophyllene	<LOQ	<	200		502	500	µg/g	***100%***	70 - 130	
a-Humulene	<LOQ	<	200		444	500	µg/g	***89%***	70 - 130	
Valenene	<LOQ	<	200		447	500	µg/g	***89%***	70 - 130	
cis-Nerolidol	<LOQ	<	200		510	500	µg/g	***102%***	70 - 130	
a-Farnesene	<LOQ	<	200		435	500	µg/g	***87%***	70 - 130	
trans-Nerolidol	<LOQ	<	200		440	500	µg/g	***88%***	70 - 130	
Caryophyllene_Oxide	<LOQ	<	200		523	500	µg/g	***105%***	70 - 130	
Guaiol	<LOQ	<	200		443	500	µg/g	***89%***	70 - 130	
Cedrol	<LOQ	<	200		504	500	µg/g	***101%***	70 - 130	
a-Bisabolol	<LOQ	<	200		517	500	µg/g	***103%***	70 - 130	

Definitions

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

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2200733

Sample/Sample Duplicate **Sample ID: 22-000800-0021**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	5540	5280	196	µg/g	5%	< 20	
Camphene	243	217	196	µg/g	11%	< 20	
Sabinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Pinene	2930	2760	196	µg/g	6%	< 20	
b-Myrcene	9910	9340	196	µg/g	6%	< 20	
a-phelllandrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
p-Cymene	1080	1020	196	µg/g	6%	< 20	
D-Limonene	3060	2900	196	µg/g	5%	< 20	
Eucalyptol	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	65.3	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	131	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	196	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	196	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Linalool	728	698	196	µg/g	4%	< 20	
Fenchol	205	204	196	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	196	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	196	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	196	µg/g	0%	< 20	
Gereniol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	196	µg/g	0%	< 20	
b-Caryophyllene	4590	4370	196	µg/g	5%	< 20	
a-Humulene	1030	977	196	µg/g	5%	< 20	
Valenene	347	336	196	µg/g	3%	< 20	
cis-Nerolidol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	196	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	196	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	196	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	196	µg/g	0%	< 20	
a-Bisabolol	742	703	196	µg/g	5%	< 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	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.