Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-011623/D004.R000
Report Date: 10/25/2024
ORELAP#: OR100028
Purchase Order:
Received: 10/15/24 11:52

Customer: NW Natural Goods
Product identity: HEMP - PR 0083
Client/Metrc ID: .
Laboratory ID: 24-011623-0001

Summary

Potency:

Analyte per 4g	Result	Limits	Units	Status
CBC per 4g	0.171		mg/4g	
CBD per 4g	19.2		mg/4g	
CBDV per 4g	0.188		mg/4g	
CBG per 4g	10.0		mg/4g	

CBD-Total per Serving Size	19.2 mg/4g
Delta-9-THC-Total per	<LOQ

(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Received: 10/15/24 11:52

Customer: NW Natural Goods

Product identity: HEMP - PR 0083
Client/Metrc ID: .
Sample Date:
Laboratory ID: 24-011623-0001
Evidence of Cooling: No
Temp: 25 °C
Relinquished by: BR
Serving Size #1: 4 g

Sample Results

Potency per 4g **Method:** J AOAC 2015 V98-6 (mod)ᵖ **Units** mg/se **Batch:** 2408069 **Analyze:** 10/16/24 7:20:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4g	0.171		mg/4g	0.125	
CBC-A per 4g	< LOQ		mg/4g	0.125	
CBC-Total per 4g	< LOQ		mg/4g	0.235	
CBD per 4g	19.2		mg/4g	0.125	
CBD-A per 4g⊥	< LOQ		mg/4g	0.125	
CBD-Total per 4g⊥	19.2		mg/4g	0.235	
CBDV per 4g	0.188		mg/4g	0.125	
CBDV-A per 4g	< LOQ		mg/4g	0.125	
CBDV-Total per 4g	< LOQ		mg/4g	0.234	
CBE per 4g	< LOQ		mg/4g	0.125	
CBG per 4g	10.0		mg/4g	0.125	
CBG-A per 4g	< LOQ		mg/4g	0.125	
CBG-Total per 4g	10.0		mg/4g	0.234	
CBL per 4g	< LOQ		mg/4g	0.125	
CBL-A per 4g	< LOQ		mg/4g	0.125	
CBL-Total per 4g	< LOQ		mg/4g	0.235	
CBN per 4g	< LOQ		mg/4g	0.125	
CBT per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.125	
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.251	
Δ8-THC per 4g⊥	< LOQ		mg/4g	0.125	
Δ8-THCV per 4g	< LOQ		mg/4g	0.125	
Δ9-THC per 4g⊥	< LOQ		mg/4g	0.125	
Δ9-THC-Total per 4g	< LOQ		mg/4g	0.235	
Δ9-THCP per 4g	< LOQ		mg/4g	0.125	
Δ9-THCV per 4g	< LOQ		mg/4g	0.125	
Δ9-THCV-A per 4g	< LOQ		mg/4g	0.125	
Δ9-THCV-Total per 4g	< LOQ		mg/4g	0.235	
exo-THC per 4g	< LOQ		mg/4g	0.125	
THC-A per 4g⊥	< LOQ		mg/4g	0.125	
Total Cannabinoids per 4g	29.6		mg/4g		

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2408021	10/18/24	AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2408021	10/18/24	AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2408022	10/19/24	AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2408022	10/19/24	AOAC 2014.05 (RAPID)		

Solvents

Method: Residual Solvents by HS-GC-MS^{b} **Units** µg/g **Batch** 2408106 **Analyze** 10/18/24 12:16 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane$^{\perp}$	< LOQ	380	100	pass		2-Butanol$^{\perp}$	< LOQ	5000	200	pass	
2-Ethoxyethanol$^{\perp}$	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)$^{\perp}$	< LOQ		200		
2-Methylpentane$^{\perp}$	< LOQ		30.0			2-Propanol (IPA)$^{\perp}$	< LOQ	5000	200	pass	
2,2-Dimethylbutane$^{\perp}$	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)$^{\perp}$	< LOQ		200		
2,3-Dimethylbutane$^{\perp}$	< LOQ		30.0			3-Methylpentane$^{\perp}$	< LOQ		30.0		
Acetone$^{\perp}$	< LOQ	5000	200	pass		Acetonitrile$^{\perp}$	< LOQ	410	100	pass	
Benzene$^{\perp}$	< LOQ	2.00	1.00	pass		Butanes (sum)$^{\perp}$	< LOQ	5000	400	pass	
Cyclohexane$^{\perp}$	< LOQ	3880	200	pass		Ethyl acetate$^{\perp}$	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether$^{\perp}$	< LOQ	5000	200	pass	
Ethylene glycol$^{\perp}$	< LOQ	620	200	pass		Ethylene oxide$^{\perp}$	< LOQ	50.0	20.0	pass	
Hexanes (sum)$^{\perp}$	< LOQ	290	150	pass		Isopropyl acetate$^{\perp}$	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)$^{\perp}$	< LOQ	70.0	30.0	pass		m,p-Xylene$^{\perp}$	< LOQ		200		
Methanol$^{\perp}$	< LOQ	3000	200	pass		Methylene chloride$^{\perp}$	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)$^{\perp}$	< LOQ		200			n-Butane$^{\perp}$	< LOQ		200		
n-Heptane$^{\perp}$	< LOQ	5000	200	pass		n-Hexane$^{\perp}$	< LOQ		30.0		
n-Pentane$^{\perp}$	< LOQ		200			o-Xylene$^{\perp}$	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran$^{\perp}$	< LOQ	720	100	pass		Toluene$^{\perp}$	< LOQ	890	100	pass	
Total Xylenes$^{\perp}$	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2408149 **Analyze** 10/21/24 01:03 PM

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic⊥	< LOQ	0.200	mg/kg	0.0180	2408073	10/17/24	AOAC 2013.06 (mod.)Þ	pass	
Cadmium⊥	< LOQ	0.200	mg/kg	0.0180	2408073	10/17/24	AOAC 2013.06 (mod.)Þ	pass	
Lead⊥	< LOQ	0.500	mg/kg	0.0180	2408073	10/17/24	AOAC 2013.06 (mod.)Þ	pass	
Mercury⊥	< LOQ	0.100	mg/kg	0.00902	2408073	10/17/24	AOAC 2013.06 (mod.)Þ	pass	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Moisture (Loss on Drying)	19.6		g/100g	0.10	2408085	10/17/24	AOAC 925.10 (mod.)		
Water Activity	0.717		Aw	0.030	2408250	10/23/24	AOAC 978.18		

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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.

Þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram
g = Gram
g/100g = Grams per 100 Grams
µg/g = Microgram per gram
mg/kg = Milligram per kilogram = parts per million (ppm)
mg/4g = Milligram per 4g
% = Percentage of sample
Aw = Water Activity
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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A Tentamus Company

Hemp & Cannabis Chain of Custody

Northwest-Natural-Goods-1728507249

Company Details
Company: Northwest Natural Goods
[redacted]

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: Pick-Up Courier Service
Project Name / ID: HEMP - PR0083
Pick-Up Details
Pick-Up Location Name: Northwest Natural Goods
[redacted]
Receipt Information
Prelog Storage: Canna Shelves
Sample Condition: Satisfactory

#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments	Testing: M075 - E. coli/Coliform Count (EC)Petri Im	M283 - RAPID Yeast and Mold Count (RYM)Petri Im	H0010 - Potency Cannabis (Basic+Expanded)	P2320 - Multi-Residue Pesticide Pro le (Cannabis)	H0013 - Cannabis Heavy Metals Pro le OR	H0008 - Residual Solvents (Cannabis - Oregon)	N3600 - Water Activity & Moisture (as Loss on Drying)	Food
1	HEMP - PR0083	Cannabinoid Edible	20 each	mg/g & mg/serving	4 g	*** THIS IS FOR PICKUP ON TUESDAY 10/15 ***	✓	✓	✓	✓	✓	✓	✓	

Relinquished By	Date	Time	Temp., °C
KRISTEN JOHNSON	10/09/2024	13:54	
BR	10/15/2024	11:17	19.8

Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
BR	10/15/2024	10:43	25	No
jmh	10/15/2024	11:52	25	No

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
12423 NE Whitaker Way
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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986 — Batch ID: 2408069

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0324	0.0316	%	103	80.0 - 120	Acceptable	
CBDV	2	0.0322	0.0313	%	103	80.0 - 120	Acceptable	
CBE	2	0.0153	0.0149	%	103	80.0 - 120	Acceptable	
CBDA	1	0.00364	0.00362	%	100	90.0 - 110	Acceptable	
CBGA	1	0.00349	0.00347	%	100	80.0 - 120	Acceptable	
CBG	1	0.00344	0.00320	%	107	80.0 - 120	Acceptable	
CBD	1	0.00327	0.00328	%	99.7	90.0 - 110	Acceptable	
THCV	2	0.0347	0.0343	%	101	80.0 - 120	Acceptable	
d8THCV	2	0.0352	0.0348	%	101	80.0 - 120	Acceptable	
THCVA	2	0.0320	0.0309	%	104	80.0 - 120	Acceptable	
CBN	1	0.00321	0.00333	%	96.3	80.0 - 120	Acceptable	
exo-THC	2	0.0304	0.0310	%	98.2	80.0 - 120	Acceptable	
d9THC	1	0.00317	0.00319	%	99.6	90.0 - 110	Acceptable	
d8THC	1	0.00325	0.00345	%	94.3	90.0 - 110	Acceptable	
9S-d10THC	1	0.00331	0.00348	%	95.2	80.0 - 120	Acceptable	
CBL	2	0.0296	0.0314	%	94.3	80.0 - 120	Acceptable	
9R-d10THC	1	0.00336	0.00357	%	94.0	80.0 - 120	Acceptable	
CBC	2	0.0326	0.0340	%	96.1	80.0 - 120	Acceptable	
THCA	1	0.00362	0.00352	%	103	90.0 - 110	Acceptable	
CBCA	2	0.0341	0.0324	%	105	80.0 - 120	Acceptable	
CBLA	2	0.0308	0.0303	%	102	80.0 - 120	Acceptable	
d9THCP	2	0.0283	0.0320	%	88.3	80.0 - 120	Acceptable	
CBT	2	0.0289	0.0333	%	86.8	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBDV	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBE	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBDA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBGA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBG	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBD	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCV	<LOQ	0.00307	%	< 0.00307	Acceptable	
d8THCV	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCVA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBN	<LOQ	0.00307	%	< 0.00307	Acceptable	
exo-THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
d9THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
d8THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
9S-d10THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBL	<LOQ	0.00307	%	< 0.00307	Acceptable	
9R-d10THC	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBC	<LOQ	0.00307	%	< 0.00307	Acceptable	
THCA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBCA	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBLA	<LOQ	0.00307	%	< 0.00307	Acceptable	
d9THCP	<LOQ	0.00307	%	< 0.00307	Acceptable	
CBT	<LOQ	0.00307	%	< 0.00307	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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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V98 — Batch ID: 2408069
Sample Duplicate — Sample ID: 24-01160100001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBG	0.00603	0.00597	0.00311	%	1.03	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
THCV	0.00423	0.00433	0.00311	%	2.37	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBN	0.0116	0.0117	0.00311	%	0.322	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
d9THC	0.293	0.296	0.00311	%	0.945	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBC	0.00512	0.00512	0.00311	%	0.103	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00311	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00311	%	NA	< 20	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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Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents — Batch ID: 2408106

Method Blank					Laboratory Control Sample							
Analyte	Result		LOQ	Notes	Result	Spike	Units	% Rec	Limits			Notes
Propane	ND	<	200		552	585	µg/g	94.4	60	-	120	
Isobutane	ND	<	200		738	770	µg/g	95.8	60	-	120	
Butane	ND	<	200		755	769	µg/g	98.2	60	-	120	
2,2-Dimethylpropane	ND	<	200		937	956	µg/g	98.0	60	-	120	
Methanol	ND	<	200		1760	1630	µg/g	108.0	60	-	120	
Ethylene Oxide	ND	<	30		54.5	57.7	µg/g	94.5	60	-	120	
2-Methylbutane	ND	<	200		1720	1620	µg/g	106.2	60	-	120	
Pentane	ND	<	200		1710	1620	µg/g	105.6	60	-	120	
Ethanol	ND	<	200		1860	1620	µg/g	114.8	70	-	130	
Ethyl Ether	ND	<	200		1780	1620	µg/g	109.9	60	-	120	
2,2-Dimethylbutane	ND	<	30		196	179	µg/g	109.5	60	-	120	
Acetone	ND	<	200		1790	1620	µg/g	110.5	60	-	120	
2-Propanol	ND	<	200		1810	1620	µg/g	111.7	60	-	120	
Ethyl Formate	ND	<	500		1590	1610	µg/g	98.8	70	-	130	
Acetonitrile	ND	<	100		553	502	µg/g	110.2	60	-	120	
Methyl Acetate	ND	<	500		1710	1610	µg/g	106.2	70	-	130	
2,3-Dimethylbutane	ND	<	30		198	180	µg/g	110.0	60	-	120	
Dichloromethane	ND	<	60		591	533	µg/g	110.9	60	-	120	
2-Methylpentane	ND	<	30		210	181	µg/g	116.0	60	-	120	
MTBE	ND	<	500		1700	1600	µg/g	106.3	70	-	130	
3-Methylpentane	ND	<	30		194	177	µg/g	109.6	60	-	120	
Hexane	ND	<	30		197	182	µg/g	108.2	60	-	120	
1-Propanol	ND	<	500		1730	1610	µg/g	107.5	70	-	130	
Methylethylketone	ND	<	500		1700	1600	µg/g	106.3	70	-	130	
Ethyl acetate	ND	<	200		1780	1620	µg/g	109.9	60	-	120	
2-Butanol	ND	<	200		1790	1630	µg/g	109.8	60	-	120	
Tetrahydrofuran	ND	<	100		538	499	µg/g	107.8	60	-	120	
Cyclohexane	ND	<	200		1720	1610	µg/g	106.8	60	-	120	
2-methyl-1-propanol	ND	<	500		1730	1600	µg/g	108.1	70	-	130	
Benzene	ND	<	1		5.62	5.01	µg/g	112.2	60	-	120	
Isopropyl Acetate	ND	<	200		1810	1620	µg/g	111.7	60	-	120	
Heptane	ND	<	200		1700	1610	µg/g	105.6	60	-	120	
1-Butanol	ND	<	500		1730	1600	µg/g	108.1	70	-	130	
Propyl Acetate	ND	<	500		1690	1600	µg/g	105.6	70	-	130	
1,4-Dioxane	ND	<	100		550	493	µg/g	111.6	60	-	120	
2-Ethoxyethanol	ND	<	30		202	182	µg/g	111.0	60	-	120	
Methylisobutylketone	ND	<	500		1680	1610	µg/g	104.3	70	-	130	
3-Methyl-1-butanol	ND	<	500		1710	1600	µg/g	106.9	70	-	130	
Ethylene Glycol	ND	<	200		518	501	µg/g	103.4	60	-	120	
Toluene	ND	<	100		540	501	µg/g	107.8	60	-	120	
Isobutyl Acetate	ND	<	500		1660	1600	µg/g	103.8	70	-	130	
1-Pentanol	ND	<	500		1760	1600	µg/g	110.0	70	-	130	
Butyl Acetate	ND	<	500		1740	1600	µg/g	108.8	70	-	130	
Ethylbenzene	ND	<	200		1070	981	µg/g	109.1	60	-	120	
m,p-Xylene	ND	<	200		1100	1000	µg/g	110.0	60	-	120	
o-Xylene	ND	<	200		1050	981	µg/g	107.0	60	-	120	
Cumene	ND	<	30		182	177	µg/g	102.8	60	-	120	
Anisole	ND	<	500		1650	1610	µg/g	102.5	70	-	130	
DMSO	ND	<	500		1620	1600	µg/g	101.3	70	-	130	
1,2-dimethoxyethane	ND	<	50		189	161	µg/g	117.4	70	-	130	
Triethylamine	ND	<	500		1690	1600	µg/g	105.6	70	-	130	
N,N-dimethylformamide	ND	<	150		561	484	µg/g	115.9	70	-	130	
N,N-dimethylacetamide	ND	<	150		541	497	µg/g	108.9	70	-	130	
Pyridine	ND	<	50		203	162	µg/g	125.3	70	-	130	
Sulfolane	ND	<	50		150	166	µg/g	90.4	70	-	130	
1,2-Dichloroethane	ND	<	1		1.06	1	µg/g	106.0	70	-	130	
Chloroform	ND	<	1		1.04	1	µg/g	104.0	70	-	130	
Trichloroethylene	ND	<	1		1.03	1	µg/g	103.0	70	-	130	
1,1-Dichloroethane	ND	<	1		1.03	1	µg/g	103.0	70	-	130	

Columbia LABORATORIES
A Tentamus Company

12423 NE Whitaker Way
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503-254-1794

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Received: 10/15/24 11:52

Revision: 2 Document ID: 7087
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QC- Sample Duplicate — Sample ID: 24-011201-0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/ Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g- Microgram per gram or ppm

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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.