



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



Report Number: 22-002142/D003.R000
Report Date: 03/03/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/24/22 12:45

Customer: Trojan Horse Cannabis
Product identity: 10:1 Micro Mints Batch 2111007
Client/Metric ID: .
Laboratory ID: 22-002142-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.0630		%		CBD-Total per 1g 23.3 mg/1g
CBD	2.33		%		
CBDV [†]	0.0244		%		THC-Total per 1g 1.72 mg/1g
CBE [†]	0.0207		%		(Reported in milligrams per serving)
CBG [†]	0.0341		%		
CBN	0.0117		%		
CBT [†]	0.0360		%		
Δ9-THC	0.172		%		
Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g [†]	0.630		mg/1g		
CBD per 1g	23.3		mg/1g		
CBDV per 1g [†]	0.244		mg/1g		
CBE per 1g [†]	0.207		mg/1g		
CBG per 1g [†]	0.341		mg/1g		
CBN per 1g	0.117		mg/1g		
CBT per 1g [†]	0.360		mg/1g		
Δ9-THC per 1g	1.72		mg/1g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: Trojan Horse Cannabis
 United States of America (USA)
Product identity: 10:1 Micro Mints Batch 2111007
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-002142-0001
Evidence of Cooling: No
Temp: 15.8 °C
Relinquished by: UPS
Serving Size #1: 1 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)		Units %	Batch: 2201727	Analyze: 2/28/22 11:41:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0630		%	0.0033	
CBC-A†	< LOQ		%	0.0033	
CBC-Total†	0.0630		%	0.0062	
CBD	2.33		%	0.0332	
CBD-A	< LOQ		%	0.0033	
CBD-Total	2.33		%	0.0361	
CBDV†	0.0244		%	0.0033	
CBDV-A†	< LOQ		%	0.0033	
CBDV-Total†	0.0244		%	0.0062	
CBE†	0.0207		%	0.0033	
CBG†	0.0341		%	0.0033	
CBG-A†	< LOQ		%	0.0033	
CBG-Total	0.0341		%	0.0062	
CBL†	< LOQ		%	0.0033	
CBL-A†	< LOQ		%	0.0033	
CBL-Total†	< LOQ		%	0.0062	
CBN	0.0117		%	0.0033	
CBT†	0.0360		%	0.0033	
Δ8-THCV	< LOQ		%	0.0033	
Δ8-THC†	< LOQ		%	0.0033	
Δ9-THC	0.172		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.172		%	0.0062	
THCV†	< LOQ		%	0.0033	
THCV-A†	< LOQ		%	0.0033	
THCV-Total†	< LOQ		%	0.0062	
Total Cannabinoids†	2.69		%		

Potency per 1g	Method J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2201727	Analyze: 2/28/22 11:41:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g†	0.630		mg/1g	0.0332	
CBC-A per 1g†	< LOQ		mg/1g	0.0332	
CBC-Total per 1g†	0.630		mg/1g	0.0624	



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Potency per 1g Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2201727 Analyze: 2/28/22 11:41:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	23.3		mg/1g	0.332	
CBD-A per 1g	< LOQ		mg/1g	0.0332	
CBD-Total per 1g	23.3		mg/1g	0.361	
CBDV per 1g [†]	0.244		mg/1g	0.0332	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0332	
CBDV-Total per 1g [†]	0.244		mg/1g	0.0620	
CBE per 1g [†]	0.207		mg/1g	0.0332	
CBG per 1g [†]	0.341		mg/1g	0.0332	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0332	
CBG-Total per 1g [†]	0.341		mg/1g	0.0620	
CBL per 1g [†]	< LOQ		mg/1g	0.0332	
CBL-A per 1g [†]	< LOQ		mg/1g	0.0332	
CBL-Total per 1g [†]	< LOQ		mg/1g	0.0624	
CBN per 1g	0.117		mg/1g	0.0332	
CBT per 1g [†]	0.360		mg/1g	0.0332	
Δ8-THCV per 1g [†]	< LOQ		mg/1g	0.0332	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.0332	
Δ9-THC per 1g	1.72		mg/1g	0.0332	
exo-THC per 1g [†]	< LOQ		mg/1g	0.0332	
THC-A per 1g	< LOQ		mg/1g	0.0332	
THC-Total per 1g	1.72		mg/1g	0.0624	
THCV per 1g [†]	< LOQ		mg/1g	0.0332	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0332	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0624	
Total Cannabinoids per 1g	26.9		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ	10,000.00	cfu/g	10	2201674	02/27/22	AOAC 990.12 (Petrifilm)	pass	X
E.coli	< LOQ	100.00	cfu/g	10	2201671	02/27/22	AOAC 991.14 (Petrifilm)	pass	X
Total Coliforms	< LOQ	100.00	cfu/g	10	2201671	02/27/22	AOAC 991.14 (Petrifilm)	pass	X
Mold (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2201673	02/28/22	AOAC 2014.05 (RAPID)	pass	X
Yeast (RAPID Petrifilm)	< LOQ	1,000.00	cfu/g	10	2201673	02/28/22	AOAC 2014.05 (RAPID)	pass	X
Salmonella spp. by PCR	Negative		/25g		2201681	02/26/22	AOAC 2020.02		X
EHEC including STEC	Negative		/25g		2201685	02/26/22	AOAC RI 121806		X

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 prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0410 OAR 333-007-0430



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Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2201817	Analyzed 03/02/22			
Analyte	Result	Limits	LOQ	LOD	Notes	Analyte	Result	Limits	LOQ	LOD	Notes
2-Methylbutane (Isopentane)	< LOD	1000	200	51.7		2-Methylpentane	< LOD	60.0	30.0	3.75	
2-Propanol (IPA)	< LOD	1000	200	39.3		2,2-Dimethylbutane	< LOD	60.0	30.0	4.01	
2,2-Dimethylpropane (neo-pentane)	< LOD	1000	200	50.0		2,3-Dimethylbutane	< LOD	60.0	30.0	6.09	
3-Methylpentane	< LOD	60.0	30.0	5.44		Acetone	< LOD	1000	200	16.6	
Benzene	< LOD	2.00	1.00	0.120		Butanes (sum)	< LOQ	1000	400		
Ethanol	< LOD	1000	200	32.8		Ethyl acetate	< LOD	1000	200	22.0	
Hexanes (sum)	< LOQ	60.0	150			m,p-Xylene	< LOD	430	200	35.5	
Methanol	< LOD	600	200	50.0		Methylpropane (Isobutane)	< LOD	1000	200	25.9	
n-Butane	< LOD	1000	200	32.2		n-Heptane	< LOD	1000	200	37.1	
n-Hexane	< LOD	60.0	30.0	3.14		n-Pentane	< LOD	1000	200	39.5	
o-Xylene	< LOD	430	200	47.1		Pentanes (sum)	< LOQ	1000	600		
Propane	< LOD	1000	200	26.0		Toluene	< LOD	180	100	21.4	
Total Xylenes	< LOQ	430	400								

Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 2201784	Analyzed 03/01/22			
Analyte	Result	Limits	LOQ	LOD	Notes	Analyte	Result	Limits	LOQ	LOD	Notes
Abamectin	< LOD		0.070	0.019		Acephate	< LOD		0.020	0.003	
Acequinocyl	< LOD		0.025	0.010		Acetamiprid	< LOD		0.050	0.005	
Aldicarb	< LOD		0.100	0.005		Bifenazate	< LOD		0.010	0.003	
Bifenthrin	< LOD		0.100	0.017		Boscalid	< LOD		0.010	0.003	
Carbaryl	< LOD		0.025	0.003		Carbofuran	< LOD		0.010	0.001	
Chlorantraniliprole	< LOD		0.010	0.002		Chlorfenapyr	< LOD		0.100	0.050	
Chlorpyrifos	< LOD		0.010	0.003		Clofentezine	< LOD		0.010	0.003	
Cyfluthrin	< LOD		0.200	0.20		Cypermethrin	< LOD		0.300	0.050	
Daminozide	< LOD		0.050	0.008		Diazinon	< LOD		0.010	0.001	
Dichlorvos	< LOD		0.050	0.006		Dimethoate	< LOD		0.010	0.003	
Ethoprophos	< LOD		0.010	0.002		Etofenprox	< LOD		0.010	0.002	
Etoxazole	< LOD		0.010	0.003		Fenoxycarb	< LOD		0.010	0.002	
Fenpyroximate	< LOD		0.020	0.002		Fipronil	< LOD		0.010	0.002	
Fonicamid	< LOD		0.025	0.004		Fludioxonil	< LOD		0.010	0.002	
Hexythiazox	< LOD		0.010	0.001		Imazalil	< LOD		0.010	0.002	
Imidacloprid	< LOD		0.010	0.004		Kresoxim-methyl	< LOD		0.010	0.004	
Malathion	< LOD		0.010	0.003		Metalaxyl	< LOD		0.010	0.001	
Methiocarb	< LOD		0.010	0.003		Methomyl	< LOD		0.025	0.004	
MGK-264	< LOD		0.050	0.008		Myclobutanil	< LOD		0.010	0.002	
Naled	< LOD		0.100	0.020		Oxamyl	< LOD		0.500	0.023	
Paclbutrazole	< LOD		0.010	0.002		Parathion-Methyl	< LOD		0.030	0.010	
Permethrin	< LOD		0.040	0.008		Phosmet	< LOD		0.010	0.003	
Piperonyl butoxide	< LOD		0.200	0.032		Prallethrin	< LOD		0.050	0.014	
Propiconazole	< LOD		0.010	0.003		Propoxur	< LOD		0.010	0.003	
Pyrethrins (total)	< LOD		0.025	0.004		Pyridaben	< LOD		0.020	0.004	
Spinosad	< LOD		0.010	0.003		Spiromesifen	< LOD		0.030	0.002	
Spirotetramat	< LOD		0.010	0.002		Spiroxamine	< LOD		0.010	0.001	
Tebuconazole	< LOD		0.010	0.003		Thiacloprid	< LOD		0.010	0.002	
Thiamethoxam	< LOD		0.010	0.003		Trifloxystrobin	< LOD		0.010	0.002	



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Metals

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Arsenic	< LOQ	1.50	mg/kg	0.0187	0.00374	2201749	02/28/22	AOAC 2013.06 (mod.)	X
Cadmium	< LOD	0.500	mg/kg	0.0187	0.00282	2201749	02/28/22	AOAC 2013.06 (mod.)	X
Lead	< LOQ	0.500	mg/kg	0.0187	0.00181	2201749	02/28/22	AOAC 2013.06 (mod.)	X
Mercury	< LOD	1.50	mg/kg	0.00935	0.00120	2201749	02/28/22	AOAC 2013.06 (mod.)	X

Mycotoxins

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Aflatoxin B2	< LOD	5.00	µg/kg	5.00	1.09	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin B1	< LOD	5.00	µg/kg	5.00	1.26	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin G1	< LOD	5.00	µg/kg	5.00	1.00	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	
Aflatoxin G2	< LOD	5.00	µg/kg	5.00	0.967	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	
Ochratoxin A	< LOD	5.00	µg/kg	5.00	1.54	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	
Ochratoxin B	< LOD		µg/kg	2.00	0.750	2201781	03/01/22	AOAC 2007.01 & EN 15662 (mod)	

Nutrition

Analyte	Result	Limits	Units	LOQ	LOD	Batch	Analyzed	Method	Notes
Moisture (Loss on Drying)	0.31		g/100g	0.10		2201787	02/28/22	AOAC 925.10 (mod.)	X



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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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = Gram

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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CDPHE - Hemp Product Analysis
Chain of Custody
 ORELAPID: OR100028 | ISO 17025 (ANAB) ID: AT-1508

Document Control ID: 7067 Revision: 3

Company: Trojan Horse Cannabis				Analysis Requested								PO Number: _____		
Contact: Carly Jackson				Potency (H0010) CDPHE Pesticides (P2150) CDPHE Residual Solvents (H0023) Heavy Metals (H0013) Mycotoxins (H0042) Moisture Final Products (M190) CDPHE Micro Profile (M7000)								Project Number: _____		
Street: 4545 E60th Ave #160												Project Name: _____		
City: Commerce City State: CO Zip: 80222												Sampled By: _____		
Email Results: _____												License # <input type="checkbox"/> USA <input type="checkbox"/> Other: _____		
Ph: (435) 5534961 Fax: () _____												Reporting Requested: <input checked="" type="checkbox"/> - Compliance (CDPHE) or <input type="checkbox"/> - R&D testing		
Billing (if different): _____				Turnaround time (TAT) in Business Days (BD) <input checked="" type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <small>*Check for availability</small>										
Lab ID	Amount Received (g)	Client Sample Identification	Date Collected	Potency (H0010)	CDPHE Pesticides (P2150)	CDPHE Residual Solvents (H0023)	Heavy Metals (H0013)	Mycotoxins (H0042)	Moisture Final Products (M190)	CDPHE Micro Profile (M7000)	Sample Type †	Product Weight (Units)	Container Weight	Comments
		10:1 Micro Mints, Batch 2111007	2/18/22	4	4	4	4	4	4	4	E	80		These are mints. Please look at the sample type to make sure that Edible is the correct sample type.
Signature-Relinquished By:			Date	Time	Signature-Received By:			Date	Time	Lab Use Only:				
<i>Carly Jackson</i>			2/18/22	12pm						Shipped Via: _____ or Client drop-off Evidence of coding: Yes No - Temp (C): _____ Sample in good condition: Yes No Cash Check CC Net Prelog storage: _____				

† - Sample Type Codes: Industrial Hemp Plant Material (P) ; Industrial Hemp Concentrates (C) ; Topical Product (T) ; Beverage (B) ; Industrial Hemp Edible Product (E)

** CDPHE Microbial Panel includes: Salmonella, S.E.C, Aerobic Plate Count, E.coli & Coliforms, Yeast & Mold

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@cumbialaboratories.com www.cumbialaboratories.com



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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2201727

Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDA	0.00957	0.00967	%	99.0	80.0 - 120	Acceptable	
CBV	0.00974	0.00981	%	99.3	80.0 - 120	Acceptable	
CBE	0.00972	0.0100	%	97.2	80.0 - 120	Acceptable	
CBDA	0.0109	0.0100	%	109	80.0 - 120	Acceptable	
CBGA	0.00957	0.00946	%	101	80.0 - 120	Acceptable	
CBG	0.00965	0.0101	%	95.5	80.0 - 120	Acceptable	
CB	0.0102	0.0100	%	102	80.0 - 120	Acceptable	
THCV	0.00927	0.00980	%	94.6	80.0 - 120	Acceptable	
d8THCV	0.00960	0.0100	%	96.0	80.0 - 120	Acceptable	
THCVA	0.00915	0.00928	%	98.6	80.0 - 120	Acceptable	
CBN	0.00992	0.0100	%	99.2	80.0 - 120	Acceptable	
exo-THC	0.00831	0.0100	%	83.1	80.0 - 120	Acceptable	
d9THC	0.00933	0.0100	%	93.3	80.0 - 120	Acceptable	
d8THC	0.00845	0.00978	%	86.4	80.0 - 120	Acceptable	
CBL	0.00737	0.00909	%	81.1	80.0 - 120	Acceptable	
CEC	0.00871	0.0102	%	85.1	80.0 - 120	Acceptable	
THCA	0.0113	0.0100	%	113	80.0 - 120	Acceptable	
CBCA	0.00963	0.00972	%	99.1	80.0 - 120	Acceptable	
CBLA	0.00997	0.0100	%	99.7	80.0 - 120	Acceptable	
CBF	0.00659	0.0100	%	65.9	80.0 - 120	Acceptable	Q6

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBV	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	< LOQ	0.0006	%	< 0.0006	Acceptable	
CB	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	< LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	< LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	< LOQ	0.0006	%	< 0.0006	Acceptable	
CEC	< LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBCA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	< LOQ	0.0006	%	< 0.0006	Acceptable	
CBF	< LOQ	0.0006	%	< 0.0006	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: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2201727						
Sample Duplicate		Sample ID: 22-001970-0003-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	0.00775	0.00763	0.003	%	1.52	< 20	Acceptable	
CBDA	0.00530	0.00537	0.003	%	1.45	< 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	0.128	0.128	0.003	%	0.258	< 20	Acceptable	
exo-THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.245	0.243	0.003	%	0.769	< 20	Acceptable	
d8THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBL	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.00433	0.00412	0.003	%	4.89	< 20	Acceptable	
THCA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable	
CBF	< 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

%- Percent



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



Report Number: 22-002142/D003.R000
Report Date: 03/03/2022
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Laboratory Quality Control Results

Batch ID: 2201817

Residual Solvents				Laboratory Control Sample					
Method Blank				Result	Spike	Units	% Rec	Limits	Notes
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		680	572	µg/g	118.9	70	130
Isobutane	ND	< 200		873	731	µg/g	119.4	70	130
Butane	ND	< 200		897	731	µg/g	122.7	70	130
2,2-Dimethylpropane	ND	< 200		1110	938	µg/g	118.6	70	130
Methanol	ND	< 200		1580	1610	µg/g	98.1	70	130
Ethylene Oxide	ND	< 30		68.1	56.2	µg/g	121.2	70	130
2-Methylbutane	ND	< 200		1620	1630	µg/g	99.4	70	130
Pentane	ND	< 200		1540	1610	µg/g	95.7	70	130
Ethanol	ND	< 200		1540	1630	µg/g	94.5	70	130
Ethyl Ether	ND	< 200		1490	1610	µg/g	92.6	70	130
2,2-Dimethylbutane	ND	< 30		162	165	µg/g	98.2	70	130
Acetone	ND	< 200		1610	1610	µg/g	100.0	70	130
2-Propanol	ND	< 200		1570	1610	µg/g	97.5	70	130
Ethyl Formate	ND	< 500		1480	1620	µg/g	91.4	70	130
Acetonitrile	ND	< 100		450	498	µg/g	90.4	70	130
Methyl Acetate	ND	< 500		2060	1810	µg/g	113.8	70	130
2,3-Dimethylbutane	ND	< 30		165	162	µg/g	101.9	70	130
Dichloromethane	ND	< 60		438	498	µg/g	88.0	70	130
2-Methylpentane	ND	< 30		168	167	µg/g	100.6	70	130
MTBE	ND	< 500		1690	1610	µg/g	105.0	70	130
3-Methylpentane	ND	< 30		156	173	µg/g	87.2	70	130
Hexane	ND	< 30		137	164	µg/g	83.5	70	130
1-Propanol	ND	< 500		1670	1620	µg/g	103.1	70	130
Methylethylketone	ND	< 500		1890	1770	µg/g	106.8	70	130
Ethyl acetate	ND	< 200		1460	1620	µg/g	90.1	70	130
2-Butanol	ND	< 200		1310	1600	µg/g	81.9	70	130
Tetrahydrofuran	ND	< 100		444	500	µg/g	88.2	70	130
Cyclohexane	ND	< 200		1540	1610	µg/g	95.7	70	130
2-methyl-1-propanol	ND	< 500		1590	1610	µg/g	98.8	70	130
Benzene	ND	< 1		5.71	5.62	µg/g	101.6	70	130
Isopropyl Acetate	ND	< 200		1580	1610	µg/g	98.1	70	130
Heptane	ND	< 200		1460	1610	µg/g	90.7	70	130
1-Butanol	ND	< 500		1650	1620	µg/g	101.9	70	130
Propyl Acetate	ND	< 500		1820	1620	µg/g	112.3	70	130
1,4-Dioxane	ND	< 100		384	500	µg/g	76.8	70	130
2-Ethoxyethanol	ND	< 30		148	164	µg/g	89.0	70	130
Methylisobutylketone	ND	< 500		1780	1620	µg/g	109.9	70	130
3-Methyl-1-butanol	ND	< 500		1520	1620	µg/g	93.8	70	130
Ethylene Glycol	ND	< 200		436	500	µg/g	86.9	70	130
Toluene	ND	< 200		452	488	µg/g	92.6	70	130
Isobutyl Acetate	ND	< 500		2020	1700	µg/g	118.8	70	130
1-Pentanol	ND	< 500		1380	1630	µg/g	84.7	70	130
Butyl Acetate	ND	< 500		1530	1660	µg/g	92.2	70	130
Ethylbenzene	ND	< 200		910	969	µg/g	94.3	70	130
m,p-Xylene	ND	< 200		898	990	µg/g	90.5	70	130
o-Xylene	ND	< 200		917	971	µg/g	94.4	70	130
Cumene	ND	< 30		170	173	µg/g	95.0	70	130
Anisole	ND	< 500		1550	1650	µg/g	93.3	70	130
DMSO	ND	< 500		1450	1630	µg/g	89.0	70	130
1,2-dimethoxyethane	ND	< 50		219	183	µg/g	119.7	70	130
Triethylamine	ND	< 500		1520	1620	µg/g	93.8	70	130
N,N-dimethylformamide	ND	< 150		433	495	µg/g	87.4	70	130
N,N-dimethylacetamide	ND	< 150		395	500	µg/g	78.7	70	130
Pyridine	ND	< 50		191	188	µg/g	102.7	70	130
1,2-Dichloroethane	ND	< 1		1.14	1	µg/g	114.0	70	130
Chloroform	ND	< 1		1.1	1	µg/g	110.0	70	130
Tetrachloroethylene	ND	< 1		0.996	1	µg/g	99.6	70	130



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QC - Sample Duplicate Sample ID: 22-002130-0001

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	
MTE	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	
Methyl ethyl ketone	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	200 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	
BnMl 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	
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	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



12423 NE Whitaker Way
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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.