



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



Report Number: 21-006880/D008.R000
Report Date: 06/25/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/18/21 15:15

Customer: Lifted Made
Product identity: Energy
Client/Metric ID: .
Laboratory ID: 21-006880-0003

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.



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Customer: Lifted Made
 43360 N US HWY 41 Unit H
 Zion Illinois 60099
 United States of America (USA)

Product identity: Energy

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-006880-0003

Evidence of Cooling: No

Temp: 25.6 °C

Sample Results

Solvents						Residual Solvents by GC/MS						Units µg/g	Batch 2105459	Analyze 06/21/21 10:32 AM	
Analyte	Result	LOD	LOQ	Status	Notes	Analyte	Result	LOD	LOQ	Status	Notes				
1,2-Dichloroethane [†]	< LOQ	1.00	1.00	pass		2-Propanol (IPA)	< LOQ		200	pass					
Acetone	< LOQ		200	pass		Acetonitrile	< LOQ		100	pass					
Benzene	< LOQ		1.00	pass		Chloroform [†]	< LOQ	1.00	1.00	pass					
Ethyl acetate	< LOQ		200	pass		Ethyl ether	< LOQ		200	pass					
Ethylene oxide	< LOQ	1.00	1.00	pass		m,p-Xylene	< LOQ		200						
Methanol	< LOQ		200	pass		Methylene chloride	< LOQ	1.00	1.00	pass					
n-Butane	< LOQ		200	pass		n-Heptane	< LOQ		200	pass					
n-Hexane	< LOQ		30.0	pass		n-Pentane	< LOQ		200	pass					
o-Xylene	< LOQ		200			Propane	< LOQ		200	pass					
Toluene	< LOQ		100	pass		Total Xylenes	< LOQ		400	pass					
Trichloroethylene [†]	< LOQ	1.00	1.00	pass											



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Pesticides **Method** In-house method by LC MS/MS and GC MS/MS **Units** mg/kg **Batch** 2105611 **Analyze** 06/24/21 05:02 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.100	0.100			Acephate	< LOQ	0.100	0.100		
Acequinocyl	< LOQ	0.100	0.100			Acetamiprid	< LOQ	0.100	0.100		
Aldicarb	< LOQ	0.100	0.100			Azoxystrobin	< LOQ	0.100	0.100		
Bifenazate	< LOQ	0.100	0.100			Bifenthrin	< LOQ	3.00	3.00		
Boscalid	< LOQ	0.100	0.100			Captan	< LOQ	0.700	0.700		
Carbaryl	< LOQ	0.500	0.500			Carbofuran	< LOQ	0.100	0.100		
Chlorantraniliprole	< LOQ	10.0	3.00			Chlordane	< LOQ	0.1	0.100		
Chlorfenapyr	< LOQ	0.100	0.100			Chlorpyrifos	< LOQ	0.100	0.100		
Clofentezine	< LOQ	0.100	0.100			Coumaphos	< LOQ	0.100	0.100		
Cyfluthrin	< LOQ	2.00	2.00			Cypermethrin	< LOQ	1.00	1.00		
Daminozide	< LOQ	0.100	0.100			Diazinon	< LOQ	0.100	0.100		
Dichlorvos	< LOQ	0.100	0.100			Dimethoate	< LOQ	0.100	0.100		
Dimethomorph	< LOQ	2.00	2.00			Ethoprophos	< LOQ	0.100	0.100		
Etofenprox	< LOQ	0.100	0.100			Etoxazole	< LOQ	0.100	0.100		
Fenhexamid	< LOQ	0.100	0.100			Fenoxycarb	< LOQ	0.100	0.100		
Fenpyroximate	< LOQ	0.100	0.100			Fipronil	< LOQ	0.100	0.100		
Flonicamid	< LOQ	0.100	0.100			Fludioxonil	< LOQ	0.100	0.100		
Hexythiazox	< LOQ	0.100	0.100			Imazalil	< LOQ	0.100	0.100		
Imidacloprid	< LOQ	5.00	3.00			Kresoxim-methyl	< LOQ	0.100	0.100		
Malathion	< LOQ	0.500	0.500			Metalaxyl	< LOQ	2.00	2.00		
Methiocarb	< LOQ	0.100	0.100			Methomyl	< LOQ	1.00	1.00		
Mevinphos	< LOQ	0.100	0.100			Myclobutanil	< LOQ	0.100	0.100		
Naled	< LOQ	0.100	0.100			Oxamyl	< LOQ	0.500	0.500		
Paclobutrazole	< LOQ	0.100	0.100			Parathion-Methyl	< LOQ	0.100	0.100		
Permethrin	< LOQ	0.500	0.500			Phosmet	< LOQ	0.100	0.100		
Piperonyl butoxide	< LOQ	3.00	3.00			Prallethrin	< LOQ	0.100	0.100		
Propiconazole	< LOQ	0.100	0.100			Propoxur	< LOQ	0.100	0.100		
Pyrethrins (total)	< LOQ	0.500	0.500			Pyridaben	< LOQ	0.100	0.100		
Quintozene	< LOQ	0.100	0.100			Spinetoram	< LOQ	0.100	0.100		
Spinosad	< LOQ	0.100	0.100			Spiromesifen	< LOQ	0.100	0.100		
Spirotetramat	< LOQ	0.100	0.100			Spiroxamine	< LOQ	0.100	0.100		
Tebuconazole	< LOQ	0.100	0.100			Thiacloprid	< LOQ	0.100	0.100		
Thiamethoxam	< LOQ	5.00	3.00			Trifloxystrobin	< LOQ	0.100	0.100		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0447	2105574	06/23/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0447	2105574	06/23/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0447	2105574	06/23/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0223	2105574	06/23/21	AOAC 2013.06 (mod.)	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 333-007-0400 OAR 333-007-0410



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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

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)

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Laboratory Quality Control Results

Residual Solvents		Batch ID: 2105954								
Method Blank				Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes	
Propane	ND	< 200		477	595	µg/g	80.2	70	- 130	
Isobutane	ND	< 200		634	761	µg/g	83.3	70	- 130	
Butane	ND	< 200		649	761	µg/g	85.3	70	- 130	
2,2-Dimethylpropane	ND	< 200		798	955	µg/g	83.6	70	- 130	
Methanol	ND	< 200		1450	1600	µg/g	90.6	70	- 130	
Ethylene Oxide	ND	< 30		45.9	58.3	µg/g	78.7	70	- 130	
2-Methylbutane	ND	< 200		1320	1600	µg/g	82.5	70	- 130	
Pentane	ND	< 200		1350	1600	µg/g	84.4	70	- 130	
Ethanol	ND	< 200		1420	1610	µg/g	88.2	70	- 130	
Ethyl Ether	ND	< 200		1380	1600	µg/g	86.3	70	- 130	
2,2-Dimethylbutane	ND	< 30		136	160	µg/g	85.0	70	- 130	
Acetone	ND	< 200		1390	1600	µg/g	86.9	70	- 130	
2-Propanol	ND	< 200		1420	1610	µg/g	88.2	70	- 130	
Ethyl Formate	ND	< 500		1360	1610	µg/g	84.5	70	- 130	
Acetonitrile	ND	< 100		416	481	µg/g	86.5	70	- 130	
Methyl Acetate	ND	< 500		1650	1600	µg/g	103.1	70	- 130	
2,3-Dimethylbutane	ND	< 30		150	164	µg/g	91.5	70	- 130	
Dichloromethane	ND	< 60		420	490	µg/g	85.7	70	- 130	
2-Methylpentane	ND	< 30		136	162	µg/g	84.0	70	- 130	
MTBE	ND	< 500		1630	1610	µg/g	101.2	70	- 130	
3-Methylpentane	ND	< 30		142	163	µg/g	87.1	70	- 130	
Hexane	ND	< 30		143	163	µg/g	87.7	70	- 130	
1-Propanol	ND	< 500		1600	1600	µg/g	100.0	70	- 130	
Methylethylketone	ND	< 500		1620	1620	µg/g	100.0	70	- 130	
Ethyl acetate	ND	< 200		1410	1600	µg/g	88.1	70	- 130	
2-Butanol	ND	< 200		1660	1600	µg/g	103.8	70	- 130	
Tetrahydrofuran	ND	< 100		459	485	µg/g	94.6	70	- 130	
Cyclohexane	ND	< 200		1480	1610	µg/g	91.9	70	- 130	
2-methyl-1-propanol	ND	< 500		1220	1610	µg/g	75.8	70	- 130	
Benzene	ND	< 1		4	4.36	µg/g	91.7	70	- 130	
Isopropyl Acetate	ND	< 200		1420	1610	µg/g	88.2	70	- 130	
Heptane	ND	< 200		1370	1610	µg/g	85.1	70	- 130	
1-Butanol	ND	< 500		1800	1610	µg/g	111.8	70	- 130	
Propyl Acetate	ND	< 500		1600	1610	µg/g	99.4	70	- 130	
1,4-Dioxane	ND	< 100		438	481	µg/g	91.1	70	- 130	
2-Ethoxyethanol	ND	< 30		145	162	µg/g	89.5	70	- 130	
Methylisobutylketone	ND	< 500		1490	1650	µg/g	90.3	70	- 130	
3-Methyl-1-butanol	ND	< 500		1390	1610	µg/g	86.3	70	- 130	
Ethylene Glycol	ND	< 200		444	484	µg/g	91.7	70	- 130	
Toluene	ND	< 200		459	500	µg/g	91.8	70	- 130	
Isobutyl Acetate	ND	< 500		1470	1610	µg/g	91.3	70	- 130	
1-Pentanol	ND	< 500		1430	1610	µg/g	88.8	70	- 130	
Butyl Acetate	ND	< 500		1440	1620	µg/g	88.9	70	- 130	
Ethylbenzene	ND	< 200		959	971	µg/g	98.8	70	- 130	
m,p-Xylene	ND	< 200		959	966	µg/g	99.3	70	- 130	
o-Xylene	ND	< 200		968	967	µg/g	100.1	70	- 130	
Cumene	ND	< 30		156	164	µg/g	95.1	70	- 130	
Anisole	ND	< 500		1530	1620	µg/g	94.4	70	- 130	
DMSO	ND	< 500		1240	1640	µg/g	75.6	70	- 130	
1,2-dimethoxyethane	ND	< 50		150	164	µg/g	91.5	70	- 130	
Triethylamine	ND	< 500		1550	1600	µg/g	96.9	70	- 130	
N,N-dimethylformamide	ND	< 150		501	518	µg/g	96.7	70	- 130	
N,N-dimethylacetamide	ND	< 150		451	488	µg/g	92.4	70	- 130	
Pyridine	ND	< 50		151	172	µg/g	87.8	70	- 130	
Trichloroethylene	ND	< 1		1.08	1	µg/g	108.0	70	- 130	
Chloroform	ND	< 1		1.07	1	µg/g	107.0	70	- 130	
1,2-Dichloroethane	ND	< 1		1.08	1	µg/g	108.0	70	- 130	

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QC - Sample Duplicate Sample ID: 21-006763-0001

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	
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	
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	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-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	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.