



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



Report Number: 21-014456/D002.R000
Report Date: 12/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/10/21 10:55

Customer: Lifted Made
Product identity: Grape
Client/Metric ID: .
Laboratory ID: 21-014456-0002

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: Grape

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-014456-0002

Evidence of Cooling: No

Temp: 18 °C

Relinquished by: Fedex

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2111159	Analyze 12/16/21 08:10 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,2-Dichloroethane†	< LOQ	1	1.00			2-Propanol (IPA)	< LOQ	5000	200		
Acetone	< LOQ	5000	200			Acetonitrile	< LOQ	410	100		
Benzene	< LOQ	1.00	1.00			Chloroform†	< LOQ	1.00	1.00		
Ethyl acetate	< LOQ	5000	200			Ethyl ether	< LOQ	5000	200		
Ethylene oxide	< LOQ	1.00	1.00			m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200			Methylene chloride	< LOQ	1.00	1.00		
n-Butane	< LOQ	5000	200			n-Heptane	< LOQ	5000	200		
n-Hexane	< LOQ	290	30.0			n-Pentane	< LOQ	5000	200		
o-Xylene	< LOQ		200			Propane	< LOQ	5000	200		
Toluene	< LOQ	890	100			Total Xylenes	< LOQ	2170	400		
Trichloroethylene†	< LOQ	1.00	1.00								



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Pesticides **Method** In-house method by LC MS/MS and GC MS/MS **Units** mg/kg **Batch** 2111206 **Analyze** 12/17/21 11:53 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.300	0.100			Acephate	< LOQ	5.00	0.100		
Acequinocyl	< LOQ	4.00	0.100			Acetamiprid	< LOQ	5.00	0.100		
Aldicarb	< LOQ	0.100	0.100			Azoxystrobin	< LOQ	40.0	0.100		
Bifenazate	< LOQ	5.00	0.100			Bifenthrin	< LOQ	0.500	3.00		
Boscalid	< LOQ	10.0	0.100			Captan	< LOQ	5.00	0.700		
Carbaryl	< LOQ	0.500	0.500			Carbofuran	< LOQ	0.100	0.100		
Chlorantraniliprole	< LOQ	40.0	3.00			Chlordane	< LOQ	0.1	0.100		
Chlorfenapyr	< LOQ	0.100	0.100			Chlorpyrifos	< LOQ	0.100	0.100		
Clofentezine	< LOQ	0.500	0.100			Coumaphos	< LOQ	0.100	0.100		
Cyfluthrin	< LOQ	1.00	2.00			Cypermethrin	< LOQ	1.00	1.00		
Daminozide	< LOQ	0.100	0.100			Diazinon	< LOQ	0.200	0.100		
Dichlorvos	< LOQ	0.100	0.100			Dimethoate	< LOQ	0.100	0.100		
Dimethomorph	< LOQ	20.0	2.00			Ethoprophos	< LOQ	0.100	0.100		
Etofenprox	< LOQ	0.100	0.100			Etoxazole	< LOQ	1.50	0.100		
Fenhexamid	< LOQ	10.0	0.100			Fenoxycarb	< LOQ	0.100	0.100		
Fenpyroximate	< LOQ	2.00	0.100			Fipronil	< LOQ	0.100	0.100		
Flonicamid	< LOQ	2.00	0.100			Fludioxonil	< LOQ	30.0	0.100		
Hexythiazox	< LOQ	2.00	0.100			Imazalil	< LOQ	0.100	0.100		
Imidacloprid	< LOQ	3.00	3.00			Kresoxim-methyl	< LOQ	1.00	0.100		
Malathion	< LOQ	5.00	0.500			Metalaxyl	< LOQ	15.0	2.00		
Methiocarb	< LOQ	0.100	0.100			Methomyl	< LOQ	0.100	1.00		
Mevinphos	< LOQ	0.100	0.100			Myclobutanil	< LOQ	9.00	0.100		
Naled	< LOQ	0.500	0.100			Oxamyl	< LOQ	0.200	0.500		
Paclobutrazole	< LOQ	0.100	0.100			Parathion-Methyl	< LOQ	0.100	0.100		
Permethrin	< LOQ	20.0	0.500			Phosmet	< LOQ	0.200	0.100		
Piperonyl butoxide	< LOQ	8.00	3.00			Prallethrin	< LOQ	0.400	0.100		
Propiconazole	< LOQ	20.0	0.100			Propoxur	< LOQ	0.100	0.100		
Pyrethrins (total)	< LOQ	1.00	0.500			Pyridaben	< LOQ	3.00	0.100		
Quintozene	< LOQ	0.200	0.100			Spinetoram	< LOQ	3.00	0.100		
Spinosad	< LOQ	3.00	0.100			Spiromesifen	< LOQ	12.0	0.100		
Spirotetramat	< LOQ	13.0	0.100			Spiroxamine	< LOQ	0.100	0.100		
Tebuconazole	< LOQ	2.00	0.100			Thiacloprid	< LOQ	0.100	0.100		
Thiamethoxam	< LOQ	4.50	3.00			Trifloxystrobin	< LOQ	30.0	0.100		

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.20	mg/kg	0.00870	2111198	12/16/21	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.20	mg/kg	0.00870	2111198	12/16/21	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.50	mg/kg	0.00870	2111198	12/16/21	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.10	mg/kg	0.00435	2111198	12/16/21	AOAC 2013.06 (mod.)	pass	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.

† = 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: 2111159				
Method Blank			Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1070	948	µg/g	112.9	70	130
Isobutane	ND	< 200		1200	1260	µg/g	95.2	70	130
Butane	ND	< 200		1190	1260	µg/g	94.4	70	130
2,2-Dimethylpropane	ND	< 200		2010	1600	µg/g	125.6	70	130
Methanol	ND	< 200		1700	1610	µg/g	105.6	70	130
Ethylene Oxide	ND	< 30		107	95.7	µg/g	111.8	70	130
2-Methylbutane	ND	< 200		1790	1630	µg/g	109.8	70	130
Pentane	ND	< 200		1810	1610	µg/g	112.4	70	130
Ethanol	ND	< 200		1930	1630	µg/g	118.4	70	130
Ethyl Ether	ND	< 200		1730	1610	µg/g	107.5	70	130
2,2-Dimethylbutane	ND	< 30		195	165	µg/g	118.2	70	130
Acetone	ND	< 200		1860	1610	µg/g	115.5	70	130
2-Propanol	ND	< 200		1950	1610	µg/g	121.1	70	130
Ethyl Formate	ND	< 500		1450	1620	µg/g	89.5	70	130
Acetonitrile	ND	< 100		622	498	µg/g	124.9	70	130
Methyl Acetate	ND	< 500		1820	1810	µg/g	100.6	70	130
2,3-Dimethylbutane	ND	< 30		171	162	µg/g	105.6	70	130
Dichloromethane	ND	< 60		555	498	µg/g	111.4	70	130
2-Methylpentane	ND	< 30		199	167	µg/g	119.2	70	130
MTBE	ND	< 500		1750	1610	µg/g	108.7	70	130
3-Methylpentane	ND	< 30		211	179	µg/g	117.9	70	130
Hexane	ND	< 30		171	164	µg/g	104.3	70	130
1-Propanol	ND	< 500		1960	1620	µg/g	121.0	70	130
Methylethylketone	ND	< 500		1790	1770	µg/g	101.1	70	130
Ethyl acetate	ND	< 200		1710	1620	µg/g	105.6	70	130
2-Butanol	ND	< 200		1740	1600	µg/g	108.8	70	130
Tetrahydrofuran	ND	< 100		547	500	µg/g	109.4	70	130
Cyclohexane	ND	< 200		1690	1610	µg/g	105.0	70	130
2-methyl-1-propanol	ND	< 500		1730	1610	µg/g	107.5	70	130
Benzene	ND	< 1		6.6	5.63	µg/g	117.4	70	130
Isopropyl Acetate	ND	< 200		1980	1610	µg/g	123.0	70	130
Heptane	ND	< 200		1830	1610	µg/g	113.7	70	130
1-Butanol	ND	< 500		1820	1620	µg/g	112.3	70	130
Propyl Acetate	ND	< 500		1910	1620	µg/g	117.9	70	130
1,4-Dioxane	ND	< 100		527	502	µg/g	105.0	70	130
2-Ethoxyethanol	ND	< 30		176	164	µg/g	107.3	70	130
Methylisobutylketone	ND	< 500		1890	1620	µg/g	116.7	70	130
3-Methyl-1-butanol	ND	< 500		1850	1620	µg/g	114.2	70	130
Ethylene Glycol	ND	< 200		520	502	µg/g	103.6	70	130
Toluene	ND	< 200		434	488	µg/g	88.9	70	130
Isobutyl Acetate	ND	< 500		1750	1700	µg/g	102.9	70	130
1-Pentanol	ND	< 500		1700	1630	µg/g	104.3	70	130
Butyl Acetate	ND	< 500		1840	1660	µg/g	110.8	70	130
Ethylbenzene	ND	< 200		832	965	µg/g	86.2	70	130
m,p-Xylene	ND	< 200		863	990	µg/g	87.2	70	130
o-Xylene	ND	< 200		819	971	µg/g	84.3	70	130
Cumene	ND	< 30		147	179	µg/g	82.1	70	130
Anisole	ND	< 500		1490	1650	µg/g	90.3	70	130
DMSO	ND	< 500		1630	1630	µg/g	100.0	70	130
1,2-dimethoxyethane	ND	< 50		192	183	µg/g	104.9	70	130
Triethylamine	ND	< 500		1720	1620	µg/g	106.2	70	130
N,N-dimethylformamide	ND	< 150		497	495	µg/g	100.4	70	130
N,N-dimethylacetamide	ND	< 150		544	502	µg/g	108.4	70	130
Pyridine	ND	< 50		166	186	µg/g	89.2	70	130
1,2-Dichloroethane	ND	< 1		1.02	1	µg/g	102.0	70	130
Chloroform	ND	< 1		0.926	1	µg/g	92.6	70	130
Trichloroethylene	ND	< 1		0.822	1	µg/g	82.2	70	130
Ethylene Oxide	ND	< 1		1.09	1	µg/g	109.0	70	130
Dichloromethane	ND	< 1		0.892	1	µg/g	89.2	70	130
Benzene	ND	< 1		0.827	1	µg/g	82.7	70	130



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QC - Sample Duplicate Sample ID: 21-014444-0003

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	
Methylcyclohexane	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	
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	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 21	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.