



Preliminary Report

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Liqued Emulsion (WS) 20% **Client/Metric ID:** .
Laboratory ID: 19-005805-0002 **Sample Date:**

Summary

Potency:

Analyte	Result (%)	<p>● CBD ● CBDV</p>	CBD-Total	21.4%
CBD	21.4		THC-Total	< 0.187%
CBDV [†]	0.105		(Reported in percent of total sample)	

Residual Solvents:

Pesticides:

Terpenes:

Analysis pending.

Metals:

Analyte	Result	Limits	Analyte	Result	Limits
Lead	0.128		Arsenic	0.111	



Preliminary Report

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: ECS Brands Ltd.

Product identity: Liqued Emulsion (WS) 20%
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-005805-0002
Relinquished by: Received By Mail
Temp: 20.9 °C
Serving Size #1:

Sample Results

Potency	Method J AOAC 2015 V98-6		Units %	Batch 1904720	Analyze 05/29/19 12:52 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBC†	< LOQ		0.0925		
CBC-A†	< LOQ		0.0925		
CBC-Total†	< LOQ		0.188		
CBD	21.4		0.0925		
CBD-A	< LOQ		0.0925		
CBD-Total	21.4		0.188		
CBDV†	0.105		0.0925		
CBDV-A†	< LOQ		0.0925		
CBDV-Total†	< LOQ		0.187		
CBG†	< LOQ		0.0925		
CBG-A†	< LOQ		0.0925		
CBG-Total†	< LOQ		0.188		
CBL†	< LOQ		0.0925		
CBN	< LOQ		0.0925		
Δ8-THC†	< LOQ		0.0925		
Δ9-THC	< LOQ		0.0925		
THC-A	< LOQ		0.0925		
THC-Total	< LOQ		0.187		
THCV†	< LOQ		0.0925		
THCV-A†	< LOQ		0.0925		
THCV-Total†	< LOQ		0.187		



Preliminary Report

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Solvents					Method SOPC503	Units µg/g	Batch 1904673	Analyze 05/28/19 04:05 PM				
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	< LOQ		200			
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass		
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	30.0	pass		
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass		
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200			
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass		
Methylpropane	< LOQ		200			n-Butane	< LOQ		200			
n-Heptane	< LOQ	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	< LOQ	2170	600	pass		



Preliminary Report

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Pesticides											Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg		Batch 1904643		Analyze 05/28/19 12:33 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	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	0.100	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 (incl.	< 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		Fonicamid	< 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		Paclbutrazole	< 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	0.100	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																			



Preliminary Report

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Terpenes				Method J AOAC 2015 V98-6	Units	Batch	Analyze 01/01/70 12:00 AM			
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes	
(-)-a-Terpineol†	pending	0.020	0.00%		(-)-caryophyllene oxide†	pending	0.020	0.00%		
(-)-Guaiol†	pending	0.020	0.00%		(-)-Isopulegol†	pending	0.020	0.00%		
(-)-β-Pinene†	pending	0.020	0.00%		(+)-Borneol†	pending	0.020	0.00%		
(+)-Cedrol†	pending	0.020	0.00%		(+)-fenchol†	pending	0.020	0.00%		
(+)-Pulegone†	pending	0.020	0.00%		(±)-Camphor†	pending	0.020	0.00%		
(±)-cis-Nerolidol†	pending	0.020	0.00%		(±)-fenchone†	pending	0.020	0.00%		
(±)-trans-Nerolidol†	pending	0.020	0.00%		(R)-(+)-Limonene†	pending	0.020	0.00%		
a-Bisabolol†	pending	0.020	0.00%		a-cedrene†	pending	0.020	0.00%		
a-phellandrene†	pending	0.020	0.00%		a-pinene†	pending	0.020	0.00%		
a-Terpinene†	pending	0.020	0.00%		Camphene†	pending	0.020	0.00%		
cis-β-Ocimene†	pending	0.006	0.00%		d-3-Carene†	pending	0.020	0.00%		
Eucalyptol†	pending	0.020	0.00%		farnesene†	pending	0.020	0.00%		
gamma-Terpinene†	pending	0.020	0.00%		Geraniol†	pending	0.020	0.00%		
Geranyl acetate†	pending	0.020	0.00%		Humulene†	pending	0.020	0.00%		
Isoborneol†	pending	0.020	0.00%		Linalool†	pending	0.020	0.00%		
Menthol†	pending	0.020	0.00%		nerol†	pending	0.020	0.00%		
p-Cymene†	pending	0.020	0.00%		Sabinene†	pending	0.020	0.00%		
Sabinene hydrate†	pending	0.020	0.00%		β-Caryophyllene†	pending	0.020	0.00%		
β-Myrcene†	pending	0.020	0.00%		Terpinolene†	pending	0.020	0.00%		
trans-β-Ocimene†	pending	0.013	0.00%		valencene†	pending	0.020	0.00%		
Total Terpenes	0.00									

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	0.111		mg/kg	0.0486	1904742	05/29/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.0486	1904742	05/29/19	AOAC 2013.06	X
Lead	0.128		mg/kg	0.0486	1904742	05/29/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.0243	1904742	05/29/19	AOAC 2013.06	X

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Moisture (Loss on Drying)	31.1		g/100g	0.10	1904716	05/28/19	AOAC 925.10 (mod.)	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

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

g/100g = Grams per 100 Grams

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