

Sample ID: CW16098S20

# CERTIFICATE OF ANALYSIS

CW ANALYTICAL LABORATORIES | 510.545.6984

Sample Name: Batch 148  
 Client: Rena's Organic  
 Sample Type: Oil  
 Strain: Unknown  
 Moisture: 0.0% [LPG-001]

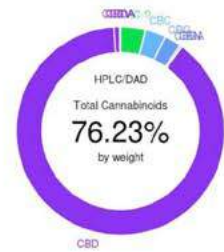
## Cannabinoid Profiling

Analysis of major cannabinoids by advanced chromatography. [GC: SOP-010; HPLC: SOP-014]

	HPLC		GC	
	Percent	mg/g	Percent	mg/g
d9-THC	2.98	29.80	NA	NA
d8-THC	ND*	ND*	NA	NA
THCA	ND*	ND*	NA	NA
THCV	ND*	ND*	NA	NA
CBC	2.41	24.07	NA	NA
CBG	2.01	20.14	NA	NA
CBGA	0.23	2.32	NA	NA
CBN	0.03	0.32	NA	NA
CBD	67.79	677.88	NA	NA
CBDV	0.67	6.71	NA	NA
CBDA	0.11	1.09	NA	NA
<b>Total</b>		<b>76.23</b>	<b>762.34</b>	<b>NA</b>

-100% Decarboxylated THC

Pass



## Residual Solvent Analysis

Analysis of residual solvents. [SOP-011]

	PPM	Client Limit**		PPM	Client Limit**
Acetone	ND*	400	Isopentane	ND*	400
Benzene	ND*	400	Isopropanol	ND*	400
Chloroform	ND*	400	Methanol	ND*	400
Ethanol	ND*	400	nButane	ND*	400
Heptane	ND*	400	Pentane	ND*	400
Hexane	ND*	400	Propane	ND*	400
Isobutane	ND*	400	Toluene	ND*	400

**Sum of Residual Solvents 0.0 PPM**

**Status: Pass (Client Limit\*\*: 400 PPM)**

\*ND = Not Detected  
 \*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available.

## Chemical Residue Screening

Targeted analysis of chemical residues. [SOP-017]

	PPB	Client Limit*	Status***		PPB	Client Limit**	
Abamectin	ND*	100	Pass	Imidacloprid	ND*	100	
Azoxystrobin	ND*	100	Pass	Malathion	ND*	100	Pass
Bifenazate	ND*	100	Pass	Metalaxyl	ND*	100	Pass
Bifenthrin	ND*	100	Pass	Myclobutanil	ND*	100	Pass
Boscalid	ND*	100	Pass	Pacllobutrazol	ND*	100	Pass
Carbaryl	ND*	100	Pass	Permethrin	ND*	100	Pass
Dichlorvos	ND*	100	Pass	Spiromesifen	ND*	100	Pass
Etoxazole	ND*	100	Pass	Spirotetramat	ND*	100	Pass
Fenoxycarb	ND*	100	Pass	Tebuconazole	ND*	100	Pass
Imazalil	ND*	100	Pass	Trifloxystrobin	ND*	100	Pass

**Sum of Chem. Residues 0 PPB**

\*ND = Not Detected  
 \*\*Client Limit is self-selected and will be replaced by official CA State limits when they become available.  
 \*\*\*Pass/Fail based on client limit selected.

Certificate ID: **28973**

 Client Sample ID: **1000 mg pain cream**

 Matrix: **Topical - Lotion**

 Date Received: **4/6/2018**

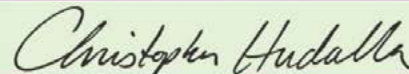
**Rena's Organic**

414 26th Street West

Bradenton, FL 34205

 Attn: **Rena Greenberg**

This test method was performed in accordance with the requirements of ISO/IEC 17025. The sample was provided to the laboratory by the client and tested as received. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 4/16/2018
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**CN: Cannabinoid Profile & Potency [WI-10-04]**

 Analyst: *JDP*

Test Date: 4/15/2018

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

**28973-CN**


ID	Weight %	Conc.
Δ9-THC	0.00 wt %	2.58 mg/2 oz. jar
THCV	ND	ND
CBD	1.74 wt %	1043.28 mg/2 oz. jar
CBDV	0.00 wt %	1.62 mg/2 oz. jar
CBG	ND	ND
CBC	0.01 wt %	4.50 mg/2 oz. jar
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
<b>Total</b>	<b>1.75 wt%</b>	<b>1051.98 mg/2 oz. jar</b>
Max THC	0.00 wt%	2.58 mg/2 oz. jar
Max CBD	1.74 wt%	1043.28 mg/2 oz. jar



Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)



Certificate ID: **28974**

 Client Sample ID: **CBD Super Cider**

 Matrix: **Edibles - Drinks**

 Date Received: **4/6/2018**

**Rena's Organic**

414 26th Street West

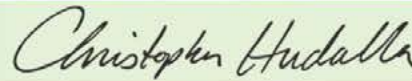
Bradenton, FL 34205

 Attn: **Rena Greenberg**

This test method was performed in accordance with the requirements of ISO/IEC 17025. The sample was provided to the laboratory by the client and tested as received. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

 Authorization:  
 Chris Hudalla, Chief Science Officer

Signature:



Date:

4/16/2018

**CN: Cannabinoid Profile & Potency [WI-10-04]**

 Analyst: *JDP*

 Test Date: *4/15/2018*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations. Results are based on a 15mL serving size (16 servings/bottle).

**28974-CN**


ID	Weight %	Conc.
<b>Δ9-THC</b>	<b>0.01 wt %</b>	<b>1.01 mg/Serving</b>
THCV	ND	ND
CBD	0.14 wt %	23.58 mg/Serving
CBDV	0.00 wt %	0.18 mg/Serving
CBG	0.00 wt %	0.54 mg/Serving
CBC	0.01 wt %	0.91 mg/Serving
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
<b>Total</b>	<b>0.16 wt%</b>	<b>26.21 mg/Serving</b>
Max THC	0.01 wt%	1.01 mg/Serving
Max CBD	0.14 wt%	23.58 mg/Serving


**Ratio of Total CBD to THC 14.0:1**

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)