Analytical Test Report

Science First. ORELAP ID: 4096 OLCC#: 010-1002112892C

7200 Johnson Creek Blvd., Portland, OR 97206 (503) 307-0096

Whole Circle Farms Tincture

Lab ID: 2011127-01 & 2011127-02

330-1045887IHH

Harvest / Process Lot:
METRC Batch ID: SHHW.20.Lifter. Lot 17
METRC Sample Tag: SHHW.20.Lifter. Lot 17
Date Sampled: 11/19/20
Date Printed: 11/24/20

Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 -

Cannabinoids	mg/g	LOQ
THCA	0.232	0.0745
delta 9-THC	0.429	0.0745
delta 8-THC	<LOQ	0.0745
CBGA	0.221	0.0745
CBDA	16.2	0.0745
CBD	5.39	0.0745
CBN	<LOQ	0.0745
CBG	<LOQ	0.0745
CBC	0.348	0.0745
Total CBG	0.194	0.0745
Total Cannabinoids	20.7	0.0745

Total THC
0.632 mg/g
THC RPD: 0.287%

Total CBD
19.6 mg/g

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO_2. Result = *bioactive*
"Total" Cannabinoid accounts for decarboxylation and moisture content. Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)

Erik Werstler
Lab Director

Sample tested in compliance with OAR 333-007 (TNI standards). Lab accredited for CBDA, THCA, CBD, THC, and sampling. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Rose City Labs.

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7200 Johnson Creek Blvd., Portland, OR 97206 (503) 307-0096

Whole Circle Farms Tincture

Lab ID: 2011127-01

330-1045887IHH

Harvest / Process Lot: WCF.Lifter.19
METRC Batch ID: SHHW.20.Lifter. Lot 17
METRC Sample Tag: SHHW.20.Lifter. Lot 17
Date Sampled: 11/19/20
Date Printed: 11/24/20

Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 - SOP 102

Cannabinoids	mg/g	LOQ
THCA	0.236	0.0741
delta 9-THC	0.424	0.0741
delta 8-THC	< LOQ	0.0741
CBGA	0.224	0.0741
CBDA	16.2	0.0741
CBD	5.40	0.0741
CBN	< LOQ	0.0741
CBG	< LOQ	0.0741
CBC	0.350	0.0741
Total CBG	0.197	0.0741
Total Cannabinoids	20.8	0.0741

Total THC
0.631 mg/g

Total CBD
19.6 mg/g

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO_2. Result = *bioactive*
"Total" Cannabinoid accounts for decarboxylation and moisture content. Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)

Erik Werstler
Lab Director

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Rose City LABORATORIES

Analytical Test Report

Science First. ORELAP ID: 4096 OLCC#: 010-1002112892C
7200 Johnson Creek Blvd., Portland, OR 97206 (503) 307-0096

Whole Circle Farms Tincture

330-1045887IHH **Laboratory ID:** 2011127-01

Quality Control

Potency

Batch: B20K084 - Potency

Blank(B20K084-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
delta 9-THC	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBGA	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBDA	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBD	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBN	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBG	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
delta 8-THC	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	
CBC	< LOQ	0.0741	mg/g		11/19/20 18:43	11/19/20 21:26	

LCS(B20K084-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	99.7	0.0745	mg/g	85-115	11/19/20 18:43	11/19/20 21:36	
delta 9-THC	103	0.0745	mg/g	85-115	11/19/20 18:43	11/19/20 21:36	
CBDA	101	0.0745	mg/g	85-115	11/19/20 18:43	11/19/20 21:36	
CBD	99.4	0.0745	mg/g	85-115	11/19/20 18:43	11/19/20 21:36	

Notes and Definitions

B Analyte detected in method blank, but not associated samples.
B2 Analyte detected in sample and associate methold blank.
C Interference due to co-elution.
D Initial result exceeded calibration range, reported data are based on analysis of a dilution.
H Non-homogenous samle matrix affecting RPD and/or QC.
I Manual Integration was performed.
L Duplicate sample relative precent difference (RPD) exceeds QC limits.
M Anomalous results due to matrix interference
P Peaks manually split.
Q1 QC out of limits but still oK
Q2 Quality Control outside QC limits. Data considered estimate.
Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
R Marginal Exceedence.
U Reported result is an estimate. The analyte was detected above the calibration range.
X Problems with initial analysis, reported data are from reinjection of prepared sample.
<LOQ - Results below the Limit of Quantitation - Compound not detected

Erik Werstler
Lab Director

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