Analytical Test Report

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

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

CBD Aqua Azul

Lab ID: 2010134-01

Whole Circle Farms

Harvest / Process Lot: NA
METRC Batch ID: NA

Date Sampled: 10/20/20
Date Printed: 10/26/20   Report cannot be used for OLCC/OHA compliance.

Potency Analysis

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

Cannabinoids (% weight)		Moisture Adjusted	LOQ
THCA	0.313	0.351	0.0766
delta 9-THC	< LOQ	< LOQ	0.0766
delta 8-THC	< LOQ	< LOQ	0.0766
CBGA	0.276	0.310	0.0766
CBDA	9.33	10.5	0.0766
CBD	0.110	0.124	0.0766
CBN	< LOQ	< LOQ	0.0766
CBG	< LOQ	< LOQ	0.0766
CBC	< LOQ	< LOQ	0.0766
Total CBG	0.242	0.272	0.0766
Total Cannabinoids	8.81	9.88	0.0766

Total THC
0.308 %

Total CBD
9.30 %

<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)

Moisture

Analysis Method/SOP: SOP 7

Moisture: 10.8 %

Erik Werstler
Lab Director

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Rose City LABORATORIES

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Quality Control
Potency

Batch: B20J098 - Potency

Blank(B20J098-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
delta 9-THC	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBGA	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBDA	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBD	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBN	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBG	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
delta 8-THC	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	
CBC	< LOQ	0.0734	%		10/23/20 16:11	10/23/20 22:33	

LCS(B20J098-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.1	0.0729	%	85-115	10/23/20 16:11	10/23/20 22:42	
delta 9-THC	91.2	0.0729	%	85-115	10/23/20 16:11	10/23/20 22:42	
CBDA	94.8	0.0729	%	85-115	10/23/20 16:11	10/23/20 22:42	
CBD	94.7	0.0729	%	85-115	10/23/20 16:11	10/23/20 22:42	

Moisture Content

Batch: B20J091 - Moisture Content

Blank(B20J091-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.200	0.00	%		10/22/20 19:53	10/22/20 19:53	

LCS(B20J091-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	108	0.00	%	80-120	10/22/20 19:53	10/22/20 19:53	

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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

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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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