



# Analytical Test Report

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

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

## Cardamom Vanilla CBD Bitters

Lab ID: 1911154-01

Columbia Bitters Company

METRC Batch ID:

Date Sampled: 11/20/19

Date Printed: 11/22/19

Report cannot be used for OLCC/OHA compliance

### Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009.11.004-SOP 102

Cannabinoids	mg/53.5g	LOQ
THCA	< LOQ	0.146
delta 9-THC	< LOQ	0.146
delta 8-THC	< LOQ	0.146
CBGA	< LOQ	0.146
CBDA	< LOQ	0.146
CBD	347.8	0.146
CBN	< LOQ	0.146
CBGA	< LOQ	0.146
CBC	< LOQ	0.146

**Total THC**

**< LOQ** mg/53.5g

**Total CBD**

**347.8** mg/53.5g

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO2. 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.