



COMMONWEALTH
EXTRACTS

CANNABINOID PROFILE & POTENCY

CERTIFICATE OF ANALYSIS

COMMONWEALTH EXTRACTS, LLC.

Certificate ID: CE12356
Batch #: HB101103-01
Matrix: 4000mg/120mL FS Cherry
Date Received: 10/29/18

Client Name: Commonwealth Extracts
Address: 6900 Riverport Dr. Suite D
Louisville, KY 40258
Attn: John Taylor

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.

CN: Cannabinoid Profile & Potency

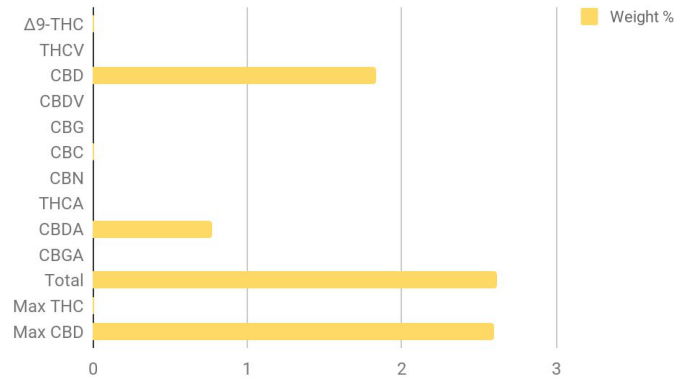
Analyst: R. M.

Test Date: October 29th, 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.

ID	Weight %	Concentration (mg/ml)
Δ 9-THC	0.07 %	0.68 mg/ml
THCV	ND	ND
CBD	3.03 %	30.28 mg/ml
CBDV	ND	ND
CBG	ND	ND
CBC	0.11 %	1.06 mg/ml
CBN	ND	ND
THCA	ND	ND
CBDA	0.67 %	6.67 mg/ml
CBGA	ND	ND
Total Cannabinoids	3.87 %	38.69 mg/ml
Max THC	0.07 %	0.68 mg/ml
Max CBD	3.61 %	36.13 mg/ml

Cannabinoid Potency



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: $\text{Max THC} = (0.877 \times \text{THCA}) + \text{THC}$. ND = None detected above the limits of detection (LLD)

Authorization: John Taylor, Chief Operations Officer

Signature:

Date: 10/29/18