



COMMONWEALTH  
EXTRACTS

CANNABINOID PROFILE & POTENCY

# CERTIFICATE OF ANALYSIS

COMMONWEALTH EXTRACTS, LLC.

Certificate ID: CE12618  
Batch #: JG113001-01  
Matrix: 1000mg/30mL THCF natural  
Date Received: 11/30/18

Client Name: Clinton Cundiff  
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

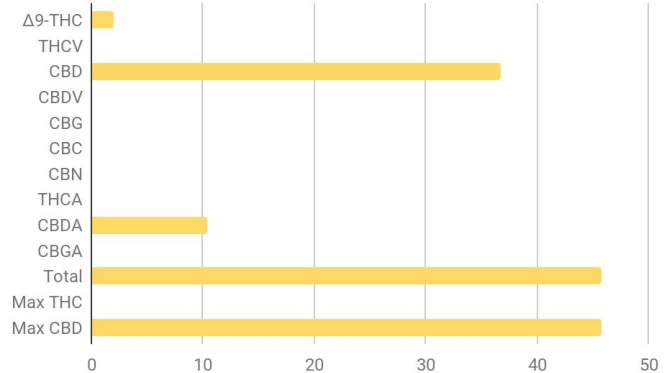
Analyst: R. M.

Test Date: November 30th, 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)
Δ9-THC	ND	ND
THCV	ND	ND
CBD	3.669%	36.688mg/mL
CBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	1.039%	10.385mg/mL
CBGA	ND	ND
Total Cannabinoids	4.579%	45.796mg/mL
Max THC	ND	ND
Max CBD	4.579%	45.796mg/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: 11/30/18