



COMMONWEALTH EXTRACTS

6900 Riverport Drive, Unit D, Louisville, KY 40258

Test Certificate

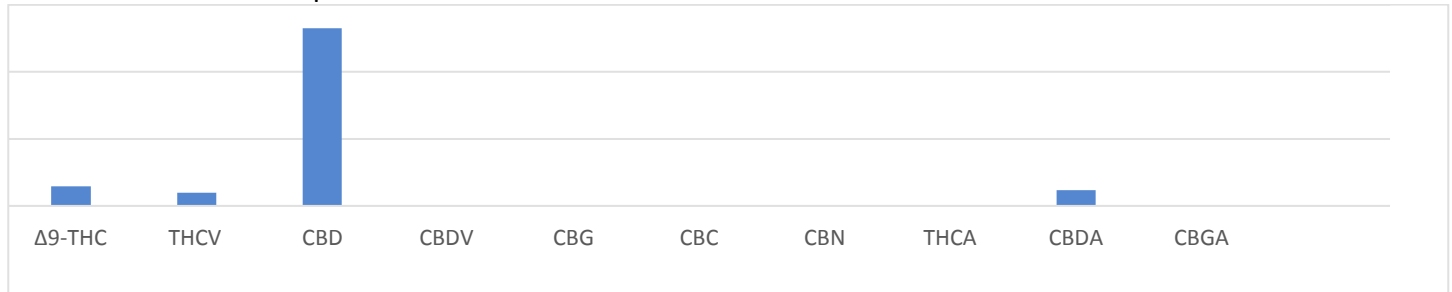
Blend ID: Golden Heart 1000mg/30mL**Batch ID:** AE072318-01**Client Name:** Appalachian Valley**Address:** 260 Maple St.
Friendsville, MD 21531**Order ID:** 10241**Date Received:** 7/23/2018**Attn:** John Croskey

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.

Authorization: John Taylor, Chief Operations Officer	Signature: 	Date: 07/24/2018
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CN: Cannabinoid Profile & Potency**Analyst:** R.M.**Test Date:** July 23, 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.



(LOQ=Limits of Detection / ND=Non Detected)

ID	Weight %	Conc. (mg/mL)
Δ9-THC	0.29 wt %	2.93 mg/mL
THCV	0.20 wt %	2.00 mg/mL
CBD	3.0 wt %	29.50 mg/mL
CBDV	ND	ND
CBG	ND	ND
CBC	ND	ND
CBN	ND	ND
THCA	ND	ND
CBDA	0.23 wt %	2.30 mg/mL
CBGA	ND	ND
Total	3.70 wt %	36.73 mg/mL
Max THC	0.29 wt %	2.93 mg/mL
Max CBD	3.18 wt %	31.8 mg/mL

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: Max THC = (0.877 x THCA) + THC has already been calculated. ND = None detected above the limits of detection (LLD)