

CERTIFICATE OF ANALYSIS



Order #: 33959
 Order Name: ORIGINAL HEMP
 FRESH BERRY
 Batch#: 44670
 Received: 07/29/2019
 Completed: 08/01/2019

Arise Bioscience
 4855 Technology Way, Suite 500
 Boca Raton FL, 33431
 (866) 407-1164



Sample



0.043%
D9-THC

1.571%
Total CBD

491.4 mg
Cannabinoids per
tincture

443.2 mg
CBD per
tincture

1 tincture = 30 ml per tincture x density
 (0.94) x Cannabinoid concentration

Cannabinoids Test

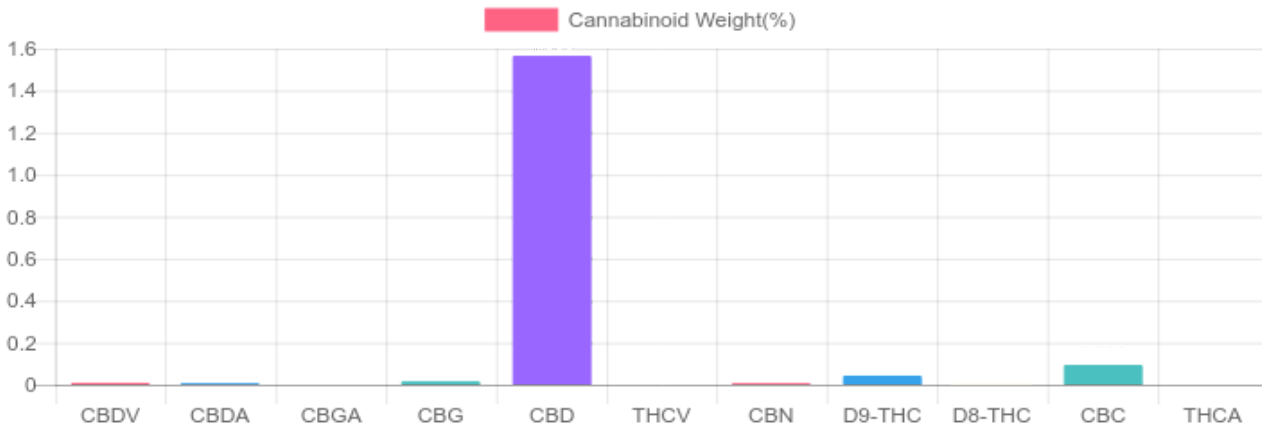
SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

PREPARED: 07/29/2019 22:18:20

UPLOADED: 07/30/2019 18:36:56

Cannabinoids	LOQ	weight(%)	mg/g	mg/tincture
D9-THC	10 PPM	0.043%	0.427	12.0
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	1.565%	15.653	441.4
CBDA	20 PPM	0.007%	0.073	2.1
CBDV	20 PPM	0.009%	0.090	2.5
CBC	10 PPM	0.094%	0.940	26.5
CBN	10 PPM	0.007%	0.073	2.1
CBG	10 PPM	0.016%	0.159	4.5
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	0.001%	0.010	0.3
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		0.043%	0.427	12.0
TOTAL CBD*		1.571%	15.717	443.2
TOTAL CANNABINOIDS		1.742%	17.425	491.4



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification



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Dr. Andrew Hall, Ph.D., CSO & Lab Director

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