

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 50956
 Order Name: Tree of Life
 Botanicals Hemp Oil 1700
 (1200 mg CBD) Unflavored
 Batch#: 122003TOL12U
 Received: 03/13/2020
 Completed: 03/16/2020



Sample



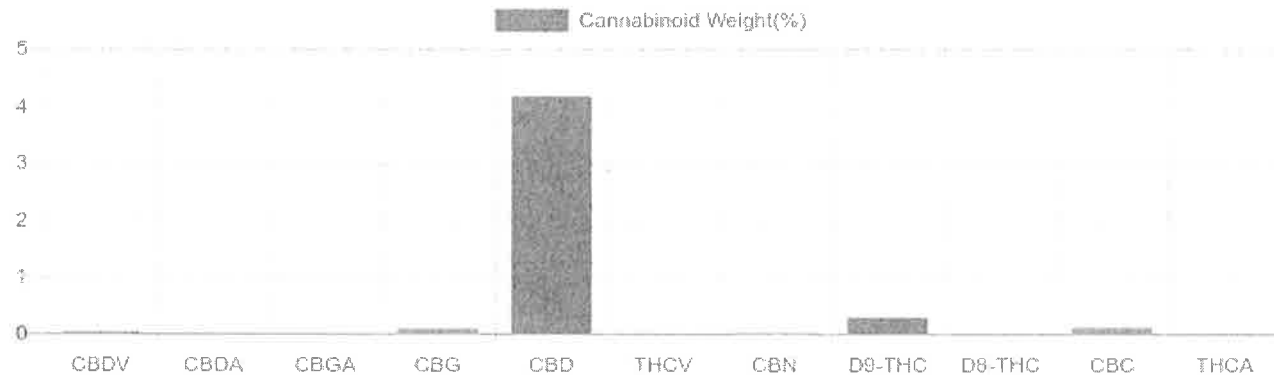
0.282% D9-THC	4.176% Total CBD
1,336.7 mg Cannabinoids per bottle	1,183.9 mg CBD per bottle

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400 PREPARED: 03/13/2020 14:42:22

Cannabinoids	LOQ	weight(%)	mg/g	mg/bottle
D9-THC	10 PPM	0.282%	2.818	79.9
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	4.176%	41.759	1,183.9
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.031%	0.310	8.8
CBC	10 PPM	0.116%	1.164	33.0
CBN	10 PPM	0.020%	0.196	5.6
CBG	10 PPM	0.090%	0.901	25.5
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		0.282%	0.282%	79.9
TOTAL CBD*		4.176%	41.759	1,183.9
TOTAL CANNABINOIDS		4.715%	47.148	1,336.7

1 bottle = 30 ml per bottle x density (0.945)
 x Cannabinoid concentration



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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