

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 50957
 Order Name: Tree of Life
 Botanicals Hemp Oil 1700
 (1200 mg CBD) Peppermint
 Batch#: 122003TOL12P
 Received: 03/13/2020
 Completed: 03/16/2020



Sample



0.281% D9-THC	4.168% Total CBD
1,333.9 mg Cannabinoids per bottle	1,181.7 mg CBD per bottle

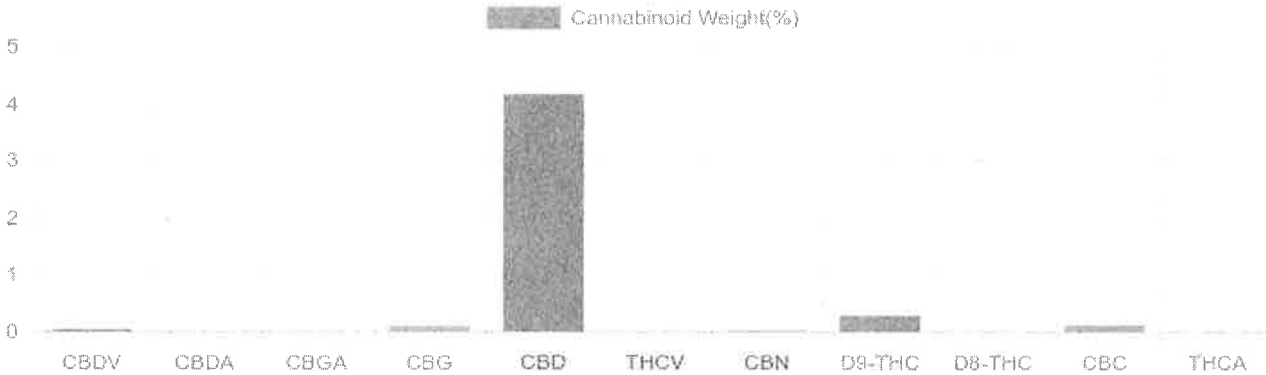
Cannabinoids Test

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	0.281%	2.808	79.6
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	4.168%	41.682	1,181.7
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.031%	0.307	8.7
CBC	10 PPM	0.116%	1.157	32.8
CBN	10 PPM	0.020%	0.195	5.5
CBG	10 PPM	0.090%	0.902	25.6
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	0.281%	0.281%	79.6
TOTAL CBD*	4.168%	41.682	1,181.7
TOTAL CANNABINOIDS	4.706%	47.051	1,333.9

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

Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



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