

Certificate of Analysis



Sample and Test Method

20% Hemp Natural Bulk

HPLC High Sensitivity

Batch Number
TW170220HN

LOD \leq 0.21, LOQ \leq 0.64 ppm for all targets

Best before 30 Jun 21

Date Tested 19 Feb 20

Results

Compound	Abbreviation	Milligrams (mg)	Concentration %
Cannabidivarin	CBDV	38.427	0.384
Cannabidiolic Acid	CBDA	0.000	0.000
Cannabigerolic Acid	CBGA	0.000	0.000
Cannabigerol	CBG	0.000	0.000
Cannabidiol	CBD	2,147.950	21.480
Tetrahydrocannabivarin	THCV	0.000	0.000
Cannabinol	CBN	0.000	0.000
d9-Tetrahydrocannabinoid	d9-THC	0.000	0.000
d8-Tetrahydrocannabinoid	d8-THC	0.000	0.000
Cannabichromene	CBC	0.000	0.000
Tetrahydrocannabinolic acid	THCA	0.000	0.000
Total THC		0.000	0.000
Total CBD		2,147.950	21.480

Tested by

Name: EVELIN RAUSCHER

Position: QC ANALYST

Sign & Date: Evelin Rauscher
27 MAR 20

Reviewed by

Matthews Soekoo

Production Manager

M. Soekoo 27 Mar 20

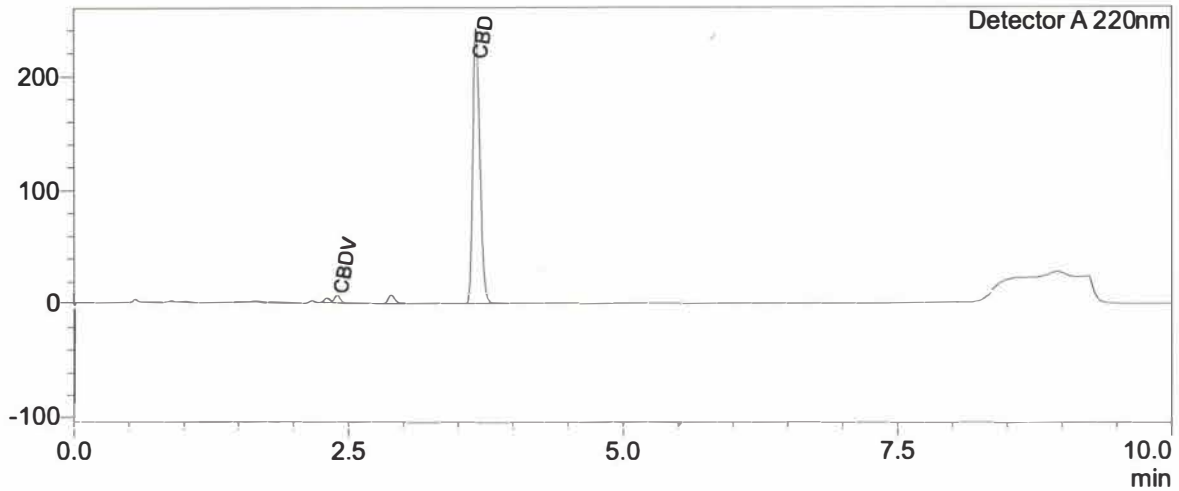


Sample Information

Sample Name : TW170220HN
 Sample ID : B
 Data Filename : Purity Hemp CTW170220HN_B.lcd :
 Method Filename : HighSensitivity Liquid Samples.lcm :
 Batch Filename : Analysis20200219_105018-001.lcb :
 Sample Type : Unknown
 Level : 1
 Dilution Factor : 4050
 Vial # : 3-19
 Injection Volume : 10 uL
 Date Acquired : 19/02/2020 10:50:44

Chromatogram

mV



Quantitative Results

Detector A

ID#	Name	Ret. Time	Area	Conc. ppm
1	CBDV	2.397	23648	4501.46
2	CBDA	--	--	0.00
3	CBGA	--	--	0.00
4	CBG	--	--	0.00
5	CBD	3.665	1118921	214795.01
6	THCV	--	--	0.00
7	CBN	--	--	0.00
8	d9-THC	--	--	0.00
9	d8-THC	--	--	0.00
10	CBC	--	--	0.00
11	THCA	--	--	0.00

Percentage and mg based on 10 mL bottle

Total THC	0.00	%
Total THC	0.00	mg
Total CBD	21.48	%
Total CBD	2147.95	mg

**Total THC
d9-THC and THCA combined**

**Total CBD
CBD and CBDA combined**

Reviewed M. Sadeo 27 Mar 20

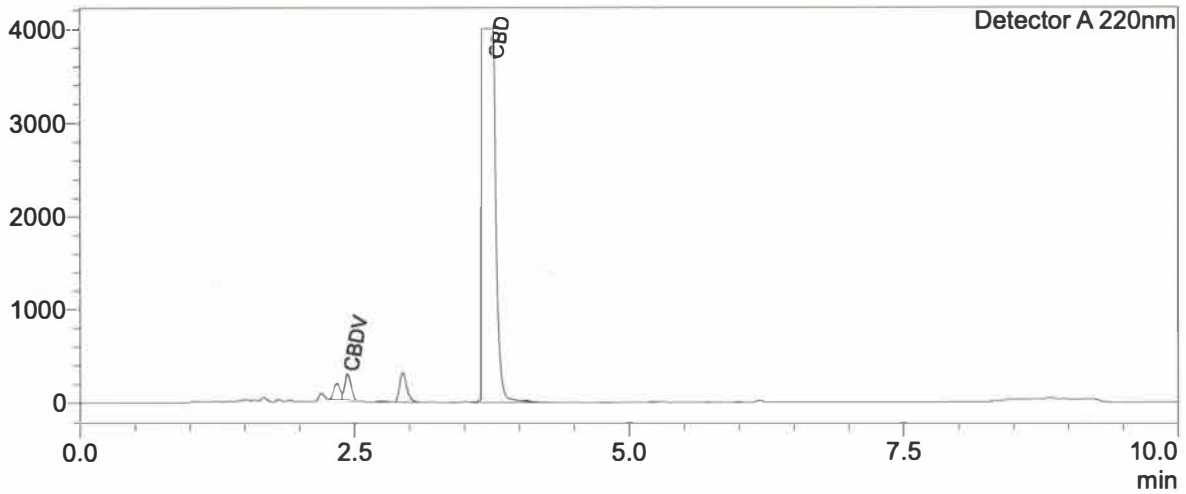


Sample Information

Sample Name : TW170220HN
 Sample ID : A
 Data Filename : Purity Hemp - TW170220HN_A.lcd :
 Method Filename : HighSensitivity Liquid Samples.lcm :
 Batch Filename : Analysis20200219_105018-001.lcb :
 Sample Type : Unknown
 Level : 1
 Dilution Factor : 81
 Vial # : 3-20
 Injection Volume : 10 uL
 Date Acquired : 19/02/2020 11:01:04

Chromatogram

mV



Quantitative Results

Detector A

ID#	Name	Ret. Time	Area	Conc. ppm
1	CBDV	2.438	1141747	3842.68
2	CBDA	--	--	0.00
3	CBGA	--	--	0.00
4	CBG	--	--	0.00
5	CBD	3.762	34193480	131305.40
6	THCV	--	--	0.00
7	CBN	--	--	0.00
8	d9-THC	--	--	0.00
9	d8-THC	--	--	0.00
10	CBC	--	--	0.00
11	THCA	--	--	0.00

Percentage and mg based on 10 mL bottle

Total THC	0.00	%
Total THC	0.00	mg
Total CBD	13.13	%
Total CBD	1313.05	mg

**Total THC
d9-THC and THCA combined**

**Total CBD
CBD and CBDA combined**

Reviewed M. Sooboo 27 Mar 20