

CBD Distillate HD-051220 Batch #33

2.362%

Total THC %

78.952%

Total CBD %

88.140%

Total Cannabinoids %

88.140%

Total Cannabinoids %
(Non-Decarboxylated)

0.096%

Total Terpenes %



PASS
Overall Batch Results

Account Name: **Neurogan**

Producer Name: **N/A**

Producer Address: **N/A**

Producer Lic#: **N/A**

Distributor Name: **N/A**

Distributor Address: **N/A**

Distributor Lic#: **N/A**

Sample ID: **3000592**

Sample Type: **Inhalable Goods**

Pick-Up Date: **2020-05-13**

Received Date: **2020-05-13**

Sample Accession Date: **2020-05-13**

Analysis Completed Date: **2020-05-18**

Lot/Batch #: **HD-051220 Batch #33**

Sample Weight/Volume: **9.78 g**

Sample Unit Count: **N/A**

Batch Weight/Volume: **N/A**

Batch Unit Count: **N/A**

Package Weight/Volume: **N/A**

Serving Weight/Volume: **N/A**

Density: **NT**

Water Activity (aw): **NT**

Water Activity Pass/Fail: **N/A**

Moisture Content (%): **0.00%**

Foreign Matter Pass/Fail: **Pass**

Total THC per Package (mg): **N/A**

Total THC per Serving (mg): **N/A**

Total CBD per Package (mg): **N/A**

Total CBD per Serving (mg): **N/A**

Cannabinoids

TESTED

Terpenes

TESTED

Heavy Metals

PASS

Residual Solvents

PASS

Microbials

PASS

Chemical Residue

PASS

Mycotoxin

PASS



Cannabinoid Analysis

Analyte	Unit of	LOD	LOQ	Results	Results	Action	Serving	Package	
CBD	mg/g	0.000625	0.00125	789.520	78.9520%	N/A	Pass	Pass	CBD 789.52
CBC	mg/g	0.000625	0.00125	29.699	2.9699%	N/A	Pass	Pass	CBC 29.699
CBG	mg/g	0.000625	0.00125	26.026	2.6026%	N/A	Pass	Pass	CBG 26.026
d9-THC	mg/g	0.000625	0.005	23.617	2.3617%	N/A	Pass	Pass	d9-THC 23.617
CBDV	mg/g	0.000313	0.000625	10.432	1.0432%	N/A	Pass	Pass	CBDV 10.432
THCV	mg/g	0.000313	0.000625	1.499	0.1499%	N/A	Pass	Pass	THCV 1.499
CBN	mg/g	0.000625	0.00125	0.607	0.0607%	N/A	Pass	Pass	CBN 0.607
THCA	mg/g	0.000625	0.00125	ND	ND	N/A	Pass	Pass	CBGA
d8-THC	mg/g	0.000625	0.005	ND	ND	N/A	Pass	Pass	d8-THC
CBDA	mg/g	0.000313	0.000625	ND	ND	N/A	Pass	Pass	CBDA
CBDVA	mg/g	0.000313	0.000625	ND	ND	N/A	Pass	Pass	THCA
CBGA	mg/g	0.000313	0.000625	ND	ND	N/A	Pass	Pass	CBDVA

Instrument IR-ALTUS01	Method SOP-TP.01.2020.V02 Cannabinoids	Accession Date 2020-05-13	Panel Completed Date 2020-05-14
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Terpene Analysis

Analyte	Unit of Measure	LOD	LOQ	Results	Results %	
a-Bisabolol	mg/g	0.00122	0.00244	0.528	0.0528%	a-Bisabolol 0.528
Caryophyllene...	mg/g	0.00244	0.00488	0.270	0.0270%	Caryophyllene Oxide 0.27
Guaiol	mg/g	0.00122	0.00244	0.113	0.0113%	Guaiol 0.113
Caryophyllene	mg/g	0.00122	0.00244	0.053	0.0053%	Caryophyllene 0.053
Trans-Nerolidol	mg/g	0.00149	0.00299	ND	ND	b-Pinene
Geraniol	mg/g	0.00122	0.00244	ND	ND	Isopulegol
Isopulegol	mg/g	0.00122	0.00244	ND	ND	Camphene
a-Humulene	mg/g	0.00122	0.00244	ND	ND	Limonene
Cis-Nerolidol	mg/g	0.00095	0.0019	ND	ND	3-Carene
Linalool	mg/g	0.00061	0.0012	ND	ND	Linalool
a-Terpinene	mg/g	0.000305	0.00061	ND	ND	Ocimene
b-Myrcene	mg/g	0.000305	0.00061	ND	ND	a-Humulene
y-Terpinene	mg/g	0.000305	0.00061	ND	ND	Cis-Nerolidol
b-Pinene	mg/g	0.000305	0.00061	ND	ND	p-Cymene
Camphene	mg/g	0.000305	0.00061	ND	ND	a-Pinene
Limonene	mg/g	0.000305	0.00061	ND	ND	Eucalyptol
3-Carene	mg/g	0.000305	0.00061	ND	ND	Terpinolene
Ocimene	mg/g	0.000305	0.00061	ND	ND	a-Terpinene
p-Cymene	mg/g	0.000305	0.00061	ND	ND	Geraniol
a-Pinene	mg/g	0.000305	0.00061	ND	ND	Trans-Nerolidol
Eucalyptol	mg/g	0.000305	0.00061	ND	ND	b-Myrcene
Terpinolene	mg/g	0.000305	0.00061	ND	ND	y-Terpinene

Instrument IR-CLARIS01	Method SOP-TP.07.2020.V02 Terpenes	Accession Date 2020-05-13	Panel Completed Date 2020-05-14
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Residual Solvents Analysis

PASS

Analyte	LOD (ug/g or ug/ml) ▾	LOQ (ug/g or ug/ml)	Action Limits (ug/g or ug/ml)	Results (ug/g or ug/ml)	Pass/Fail
Isopropyl Alcohol		0.448	0.896 5000	ND	Pass
Butane		0.37	0.75 5000	ND	Pass
Ethanol		0.36	0.896 5000	ND	Pass
Ethyl Acetate		0.359	0.717 5000	ND	Pass
Propane		0.299	1.49 5000	ND	Pass
Pentane		0.27	0.672 5000	ND	Pass
Methanol		0.21	0.51 3000	ND	Pass
Ethyl Ether		0.18	0.45 5000	ND	Pass
Heptane		0.18	0.448 5000	ND	Pass
Acetone		0.135	0.27 5000	ND	Pass
Toluene		0.134	0.269 890	ND	Pass
Total Xylenes		0.134	1.34 2170	ND	Pass
Acetonitrile		0.054	0.108 410	ND	Pass
Methylene Chloride		0.025	0.045 1	ND	Pass
1,2-Dichloroethane		0.023	0.045 1	ND	Pass
Trichloroethylene		0.023	0.045 1	ND	Pass
Chloroform		0.018	0.045 1	ND	Pass
Hexane		0.018	0.045 290	ND	Pass
Ethylene Oxide		0.009	0.45 1	ND	Pass
Benzene		0.009	0.023 1	ND	Pass

Instrument	Method	Accession Date ▾	Panel Completed Date
IR-CLARIS01	SOP-TP.09.2020.V02 Residual Solvents	2020-05-13	2020-05-18

Heavy Metals Analysis

PASS

Analyte	LOD ▾	LOQ	Action Limits (ug)	Results (ug/g)	Pass/Fail	Component Display Name	LOD (Copies of Input DNA) ▾	LOQ (Copies of Input DNA)	Results (CFU/g)
Arsenic	0.0001	0.0004	0.2	0.0066	Pass	Salmonella spp.	250	10	ND
Cadmium	0.0001	0.0002	0.2	0.0009	Pass	A. niger	250	20	ND
Lead	0.0001	0.0002	0.5	0.0062	Pass	E.coli	62.5	2	ND
Mercury	0.00003	0.0001	0.1	ND	Pass	A. flavus	62.5	2	ND
						A. fumigatus	62.5	2	ND
						Aspergillus	62.5	2	ND
						A. terreus	62.5	2	ND

Microbial Analysis

PASS

Instrument	Method	Accession Date ▾	Panel Completed Date	Instrument ▾	Method	Accession Date	Panel Completed Date
IR-ALTUS01	SOP-TP.03.2020.V02 Heavy Metals	2020-05-13	2020-05-15	IR-ARIAMX01	SOP-TP.05.2020.V01 Microbials	2020-05-13	2020-05-15

TESTED



Chemical Residue Analysis

PASS

Analyte	LOD (ug/g or ug/ml) ∨	LOQ (ug/g or ug/ml)	Action Limit (ug/g or ug/ml)	Results (ug/g or ug/ml)	Pass/Fail	Analyte	LOD (ug/g or ug/ml) ∨	LOQ (ug/g or ug/ml)	Action Limit (ug/g or ug/ml)	Results (ug/g or ug/ml)	Pass/Fail
Fonicamid	0.002773	0.009244	0.1	ND	Pass	Methyl Parathion	0.002894	0.009645	0	ND	Pass
Cypermethrin	0.002624	0.008746	1	ND	Pass	Pyrethrins	0.002267	0.007557	0.5	ND	Pass
Abamectin	0.001925	0.006417	0.1	ND	Pass	Pyridaben	0.001572	0.00524	0.1	ND	Pass
Fludioxinil	0.001688	0.005626	0.1	ND	Pass	Paclobutrazol	0.001487	0.004955	0	ND	Pass
Daminozide	0.001586	0.005287	0	ND	Pass	Spirotetramat	0.001254	0.004179	0.1	ND	Pass
Chlorantranilprole	0.001565	0.005216	10	ND	Pass	Prallethrin	0.001205	0.004015	0.1	ND	Pass
Azoxystrobin	0.001545	0.005151	0.1	ND	Pass	Methiocarb	0.000943	0.003142	0	ND	Pass
Chlorfenapyr	0.001529	0.005098	0	ND	Pass	Tebuconazole	0.000933	0.003111	0.1	ND	Pass
Cyfluthrin	0.001524	0.005081	2	ND	Pass	Spiromesifen	0.000933	0.003111	0.1	ND	Pass
Captan	0.001356	0.004521	0.7	ND	Pass	Spinosad	0.00092	0.003065	0.1	ND	Pass
Bifenazate	0.001312	0.004374	0.1	ND	Pass	Trifloxystrobin	0.000872	0.002906	0.1	ND	Pass
Chlordane	0.001294	0.004314	0	ND	Pass	Permethrin	0.000844	0.002814	0.5	ND	Pass
Dimethomorph	0.001285	0.004284	2	ND	Pass	Malathion	0.000813	0.00271	0.5	ND	Pass
Aldicarb	0.001222	0.004072	0	ND	Pass	Metalaxyl	0.000807	0.002689	2	ND	Pass
Coumaphos	0.001209	0.004032	0	ND	Pass	Propiconazole	0.000805	0.002682	0.1	ND	Pass
Carbaryl	0.001164	0.00388	0.5	ND	Pass	Propoxur	0.000794	0.002648	0	ND	Pass
Ethionphos	0.001154	0.003847	0	ND	Pass	Imazalil	0.000785	0.002618	0	ND	Pass
Chlorpyrifos	0.001083	0.003612	0	ND	Pass	Myclobutanil	0.000753	0.002509	0.1	ND	Pass
Diazinon	0.00107	0.003566	0.1	ND	Pass	Spiroxamine	0.00072	0.002401	0	ND	Pass
Bifenthrin	0.000887	0.002957	3	0.014	Pass	Hexythiazox	0.0007	0.002333	0.1	ND	Pass
Boscalid	0.000871	0.002902	0.1	ND	Pass	Piperonyl Butoxide	0.00069	0.002299	3	ND	Pass
Clofentezine	0.000835	0.002782	0.1	ND	Pass	Imidacloprid	0.000674	0.002246	5	ND	Pass
Fenpyroximate	0.000813	0.00271	0.1	ND	Pass	Kresoxim-Methyl	0.000668	0.002227	0.1	ND	Pass
Fipronil	0.000752	0.002505	0	ND	Pass	Spinetoram	0.00065	0.002165	0.1	ND	Pass
Fenoxycarb	0.000738	0.00246	0	ND	Pass	Oxamyl	0.000641	0.002136	0.5	ND	Pass
Etoxazole	0.00069	0.0023	0.1	ND	Pass	Thiamethoxam	0.000639	0.002129	4.5	ND	Pass
Dimethoate	0.000685	0.002284	0	ND	Pass	Methomyl	0.000614	0.002045	1	ND	Pass
Carbofuran	0.000666	0.00222	0	ND	Pass	Mevinphos	0.0006	0.002	0	ND	Pass
Acequinocyl	0.000661	0.002204	0.1	ND	Pass	PCNB	0.000588	0.001962	0.1	ND	Pass
Etofenprox	0.000652	0.002174	0	ND	Pass	Phosmet	0.000549	0.00183	0.1	ND	Pass
Fenhexamid	0.000651	0.002171	0.1	ND	Pass	Naled	0.000372	0.00124	0.1	ND	Pass
Dichlorvos	0.000643	0.002142	0	ND	Pass	Thiachloprid	0.000201	0.000671	0	ND	Pass
Acephate	0.00062	0.002066	0.1	ND	Pass						
Acetamiprid	0.000603	0.002009	0.1	ND	Pass						

Instrument	Method	Accession Date ∨	Panel Completed Date
IR-QSIGHT01	SOP-TP.08.2020V02 Pesticides & Mycotoxins	2020-05-13	2020-05-18

TESTED



Mycotoxin Analysis

PASS

Analyte	LOD (ug/g or ug/ml) ▾	LOQ (ug/g or ug/ml)	Results (ug/g or ug/ml)	Action Limits (ug/g or ug/ml)	Pass/Fail
Aflatoxin B1		0.002876	0.009586 ND	0.02	Pass
Aflatoxin B2		0.002377	0.007923 ND	0.02	Pass
Aflatoxin G2		0.002145	0.007149 ND	0.02	Pass
Aflatoxin G1		0.001901	0.006336 ND	0.02	Pass
Ochratoxin A		0.000794	0.002647 ND	0.02	Pass

Instrument	Method	Accession Date ▾	Panel Completed Date
IR-QSIGHT01	SOP-TP.08.2020.V02 Pesticides & Mycotoxins	2020-05-13	2020-05-18

SIGNATURE OF CONFIRMATION

Adam Floyd

Adam Floyd
Laboratory Manager

2020-05-18
Date of Confirmation

Total CBD = (CBDA * 0.877) + CBD
 Total THC = (THCA * 0.877) + D9-THC
 D9-THC % = (Component Amount in mg / 1000)
 PPM to % = ((PPM/1000)/1000)*100
 Moisture Content Adjustment = (Component Amount / (1000 mg - (1000 * Moisture Correction %)) * 1000

QUALITY REVIEW

Mehrdad Zoleikhaeian

Mehrdad Zoleikhaeian

2020-05-18
Date of Quality Review

Total Cannabinoids %: Total decarboxylated cannabinoids concentration per BCC regulation 5724(A). Total cannabinoid concentration (mg/g) = (Cannabinoid acid form concentration (mg/g) × 0.877) + Cannabinoid concentration (mg/g)
 Total Cannabinoids % (Non-Decarboxylated): Total Cannabinoids including the acidic forms. Total cannabinoid concentration (mg/g) = Cannabinoid acid form concentration (mg/g) + Cannabinoid concentration (mg/g)
 LOQ = Limit of Quantitation
 LOD = Limit of Detection
 ND = Not Detected
 PPB - Parts per Billion
 PPM - Parts per Million

All tests were performed with relevant laboratory quality control samples (LQCs) and passed prescribed acceptance criteria according to Barclays Official California Code of Regulations (CCR) section 5730, pursuant to 16 CCR section 5726 (e)(13). Testing results are based on the sample submitted to Think20 Labs LLC in the picture and description above. Think20 Labs LLC affirms that all analytical testing was performed consistent with industry standards and in accordance with validated methods designed and verified by Think20 Labs LLC. All testing results were produced in compliance with applicable state and federal laws. This report may not be reproduced, except in full, without the written approval of Think20 Labs LLC.

TESTED

