

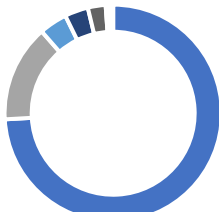
CLIP Labs  
 5945 Pacific Center Blvd #504  
 San Diego, CA 92121  
 (858)-381-3483

# CLIP LABS

Nanocraft CBD  
 1366 Hornblend St  
 San Diego, CA 92109  
 858-232-3228

Sample ID: 2010CLIP0063.I.000139

Product Name: 25mg Relief Softgels w/ Curcumin    Date Sampled: NA    Matrix: Ingestible  
 Batch#: RSG1020    Date Received: 10/29/2020    Sample Type: Softgel  
 Batch Size: NA    Sample Size: 18.8 g    Container Size: 30 units = 18.8 g  
 Unit Weight: 0.626 g / Softgel



■ CBD    ■ CBG    ■ THCv  
 ■ CBDa    ■ CBC    ■ CBN    ■ CBDV  
 ■ d9-THC    ■ CBGa

Safety Results	
Heavy Metals - Complete	Microbials - Complete
Mycotoxins - Complete	Water Activity - Complete
Pesticides - Complete	Solvents - Complete
Foreign Matter Inspection - Complete	

0.096 mg/Softgel  
 Total THC

23.8 mg/Softgel  
 Total CBD

32 mg/Softgel  
 Total Cannabinoids

Cannabinoids Date Analyzed: 10/29/2020

Analyte	CAS#	LOD (mg/g)	LOQ (mg/g)	Result (%)	Result (mg/g)	Result (mg/unit)
THCa	23978-85-0	0.004	0.04	ND	ND	ND
d9-THC	1972-08-3	0.005	0.04	0.0154	0.154	0.0958
d8-THC	5957-75-5	0.006	0.04	ND	ND	ND
THCv	28172-17-0	0.003	0.04	0.215	2.15	1.33
CBDa	13956-29-1	0.001	0.04	0.00719	0.0719	0.0446
CBD	1244-58-2	0.002	0.04	3.82	38.2	23.7
CBDV	20675-51-8	0.001	0.04	0.0300	0.300	0.186
CBC	24274-48-4	0.003	0.04	0.181	1.81	1.12
CBGa	25654-31-3	0.001	0.04	0.0117	0.117	0.0728
CBG	25555-57-1	0.002	0.04	0.747	7.47	4.63
CBN	521-35-7	0.001	0.04	0.136	1.36	0.846
Total THC	-	-	-	0.0154	0.154	0.0958
Total CBD	-	-	-	3.83	38.3	23.8
Total Cannabinoid Content	-	-	-	5.17	51.7	32.0

Unit Weight = 0.626 g / Softgel

Cannabinoids tested on a Shimadzu LC-2030C Plus following SOP AL-03. Total Cannabinoid Content = sum of quantified cannabinoids.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

Total THC = THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD.



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Cindy Orser, PhD, Chief of Science

11/03/2020



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Sample ID: 2010CLIP0063.I.000139

Terpenes			Date Analyzed: 11/2/2020	
Analyte	LOD (mg/g)	LOQ (mg/g)	Result (mg/g)	Result (%)
alpha-Bisabolol	0.020	0.080	0.104	0.0104
alpha-Humulene	0.020	0.080	<LOQ	<LOQ
alpha-Pinene	0.020	0.080	0.803	0.0803
alpha-Terpinene	0.020	0.080	ND	ND
beta-Caryophyllene	0.020	0.080	0.501	0.0501
beta-Myrcene	0.020	0.080	0.477	0.0477
beta-Pinene	0.020	0.080	ND	ND
Camphene	0.020	0.080	ND	ND
Caryophyllene Oxide	0.020	0.080	ND	ND
delta-3-Carene	0.020	0.080	0.180	0.0180
delta-Limonene	0.020	0.080	<LOQ	<LOQ
Eucalyptol	0.020	0.080	0.106	0.0106
gamma-Terpinene	0.020	0.080	ND	ND
Geraniol	0.020	0.080	ND	ND
Guaiol	0.020	0.080	ND	ND
Isopulegol	0.020	0.080	ND	ND
Linalool	0.020	0.080	0.724	0.0724
Ocimene	0.020	0.080	<LOQ	<LOQ
Terpinolene	0.020	0.080	ND	ND
trans-Nerolidol	0.020	0.080	ND	ND
<b>Total Terpene Content</b>	-	-	<b>2.89</b>	<b>0.289</b>

Terpenes tested on a Shimadzu GCMS-QP2010 SE following SOP AL-04. Terpene Content = sum of quantified terpenes.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

Heavy Metals			Date Analyzed: 11/02/2020	
Analyte	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Arsenic	0.030	0.103	0.2	ND
Cadmium	0.032	0.113	0.5	ND
Lead	0.024	0.082	0.2	<LOQ
Mercury	0.034	0.117	0.1	ND

Heavy metals tested on a Shimadzu ICPMS-2030LF following SOP AL-06.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.



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# CLIP LABS

Nanocraft CBD  
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 San Diego, CA 92109  
 858-232-3228

Sample ID: 2010CLIP0063.I.000139

Mycotoxins			Date Analyzed: 11/02/2020	
Analyte	LOD (µg/kg)	LOQ (µg/kg)	(µg/kg)	Result (µg/kg)
Aflatoxin B1	1.3	4.5	-	ND
Aflatoxin B2	2.2	7.7	-	ND
Aflatoxin G1	2	7	-	ND
Aflatoxin G2	1.6	5.8	-	ND
<i>Total Aflatoxins</i>	-	-	20	ND
Ochratoxin A	5.4	19.3	20	ND

*Mycotoxins tested on a Shimadzu LCMS-8060 following SOP AL-07. Total Aflatoxins = sum of Aflatoxin B1, B2, G1, G2.*

*LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.*

Pesticides (Category I Residual Pesticides)				Date Analyzed: 11/02/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level	
				(µg/g)	Result (µg/g)
Aldicarb	116-06-3	0.0231	0.0818	0.0231	ND
Carbofuran	1563-66-2	0.0113	0.04	0.0113	ND
Chlordane	57-74-9	0.025	0.0885	0.025	ND
Chlorfenapyr	122453-73-0	0.0245	0.0867	0.0245	ND
Chlorpyrifos	2921-88-2	0.0157	0.0555	0.0157	ND
Coumaphos	56-72-4	0.0138	0.0488	0.0138	ND
Daminozide	1596-84-5	0.0099	0.035	0.0099	ND
Dichlorvos	62-73-7	0.0214	0.0758	0.0214	ND
Dimethoate	60-51-5	0.0157	0.0555	0.0157	ND
Ethoprophos	13194-48-4	0.0219	0.0775	0.0219	ND
Etofenprox	80844-07-1	0.0137	0.0485	0.0137	ND
Fenoxycarb	72490-01-8	0.0115	0.0408	0.0115	ND
Fipronil	120068-37-3	0.0184	0.0653	0.0184	ND
Imazalil	35554-44-0	0.0196	0.0694	0.0196	ND
Methiocarb	2032-65-7	0.0096	0.0339	0.0096	ND
Methyl parathior	298-00-0	0.0264	0.0936	0.0264	ND
Mevinphos	7786-34-7	0.0171	0.0605	0.0171	ND
Paclobutrazol	76738-62-0	0.0228	0.0809	0.0228	ND
Propoxur	114-26-1	0.0061	0.0215	0.0061	ND
Spiroxamine	118134-30-8	0.0086	0.0304	0.0086	ND
Thiacloprid	111988-49-9	0.0111	0.0392	0.0111	ND

*Pesticides tested on a Shimadzu LCMS-8060 or a Shimadzu GCMS-TQ8050 NX following SOP AL-07.*

*LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.*



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Sample ID: 2010CLIP0063.I.000139

Pesticides (Category II Residual Pesticides)				Date Analyzed: 11/02/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Abamectin	71751-41-2	0.0128	0.1	0.3	ND
Acephate	30560-19-1	0.0247	0.1	5	ND
Acequinocyl	57960-19-7	0.0134	0.1	4	ND
Acetamiprid	135410-20-7	0.014	0.1	5	ND
Azoxystrobin	131860-33-8	0.0138	0.1	40	ND
Bifenazate	149877-41-8	0.0172	0.1	5	ND
Bifenthrin	82657-04-3	0.0224	0.1	0.5	ND
Boscalid	188425-85-6	0.0232	0.1	10	ND
Captan	133-06-2	0.0265	0.1	5	ND
Carbaryl	63-25-2	0.0167	0.1	0.5	ND
Chlorantranilipr	500008-45-7	0.0259	0.1	40	ND
Clofentezine	74115-24-5	0.0189	0.1	0.5	ND
Cyfluthrin	68359-37-5	0.0237	0.1	1	ND
Cypermethrin	52315-07-8	0.0282	0.1	1	ND
Diazinon	333-41-5	0.0084	0.1	0.2	ND
Dimethomorph	110488-70-5	0.017	0.1	20	ND
Etoxazole	153233-91-1	0.0123	0.1	1.5	ND
Fenhexamid	126833-17-8	0.0221	0.1	10	ND
Fenpyroximate	111812-58-9	0.0096	0.1	2	ND
Flonicamid	158062-67-0	0.0251	0.1	2	ND
Fludioxonil	464674-86-1	0.0208	0.1	30	ND
Hexythiazox	78587-05-0	0.0087	0.1	2	ND
Imidacloprid	138261-41-3	0.0256	0.1	3	ND
Kresoxim-methy	143390-89-0	0.0153	0.1	1	ND
Malathion	121-75-5	0.0144	0.1	5	ND
Metalaxyl	57837-19-1	0.0233	0.1	15	ND
Methomyl	16752-77-5	0.0249	0.1	0.1	ND
Myclobutanil	88671-89-0	0.0153	0.1	9	ND
Naled	300-76-5	0.0248	0.1	0.5	ND
Oxamyl	23135-22-0	0.0255	0.1	0.2	ND
Pentachloro-nitrobenzene	82-68-8	0.0279	0.1	0.2	ND
Permethrin	52645-53-1	0.0053	0.1	20	ND

Pesticide results continued on next page



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Pesticides (Category II Residual Pesticides, continued)				Date Analyzed: 11/02/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
Phosmet	732-11-6	0.0217	0.1	0.2	ND
Piperonyl Butoxi	51-03-6	0.0061	0.1	8	ND
Prallethrin	23031-36-9	0.0078	0.1	0.4	ND
Propiconazole	60207-90-1	0.0103	0.1	20	ND
Pyrethrins	8003-34-7	0.011	0.1	1	ND
Pyridaben	96489-71-3	0.0098	0.1	3	ND
Spinetoram	187166-15-0, 187166-40-1	0.0106	0.1	3	ND
Spinosad	131929-60-7, 131929-63-0	0.0104	0.1	3	ND
Spiromesifen	283594-90-1	0.0076	0.1	12	ND
Spirotetramat	203313-25-1	0.0278	0.1	13	ND
Tebuconazole	107534-96-3	0.0216	0.1	2	ND
Thiamethoxam	153719-23-4	0.0214	0.1	4.5	ND
Trifloxystrobin	141517-21-7	0.0101	0.1	30	ND

*Pesticides tested on a Shimadzu LCMS-8060 or a Shimadzu GCMS-TQ8050 NX following SOP AL-07.*

*LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.*

Microbials		Date Analyzed: 11/02/2020	
Analyte		Action Level	Result
Aspergillus flavus		Not Required	NT
Aspergillus fumigatus		Not Required	NT
Aspergillus niger		Not Required	NT
Aspergillus terreus		Not Required	NT
Shiga toxin-producing E. coli		Any Detetion	ND
Salmonella		Any Detetion	ND

*Microbials tested on a Agilent Aria MX G8830A Real Time PCR System following SOP M-06. ND = Not Detected. NT = Not Tested.*

Water Activity		Date Analyzed: 10/30/2020	
Analyte		(aW)	Result (aW)
Water		0.85	0.3517

*Water activity tested using a Rotronic HC2-AW-USB Water Activity Probe following SOP AL-02.*



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Residual Solvents				Date Analyzed: 11/2/2020	
Analyte	CAS No.	LOD (µg/g)	LOQ (µg/g)	Action Level (µg/g)	Result (µg/g)
<b>Category I Residual Solvents</b>					
1,2-Dichloroethane	107-06-2	0.08	0.24	1	ND
Benzene	71-43-2	0.08	0.28	1	ND
Chloroform	67-66-3	0.16	0.52	1	ND
Ethylene oxide	75-21-8	0.16	0.6	1	ND
Methylene chlor	75-09-2	0.08	0.24	1	ND
Trichloroethene	79-01-6	0.2	0.68	1	ND
<b>Category II Residual Solvents</b>					
Acetone	67-64-1	14.32	47.72	5000	ND
Acetonitrile	75-05-8	13.88	46.36	410	ND
Butane	106-97-8	46.96	156.56	5000	ND
Ethanol	64-17-5	17.28	57.68	5000	ND
Ethyl acetate	141-78-6	16.88	56.36	5000	ND
Ethyl ether	60-29-7	17.96	59.96	5000	ND
Heptane	142-82-5	15.84	52.76	5000	ND
Hexane	110-54-3	19.04	63.48	290	ND
Isopropyl alcohc	67-63-0	15.28	50.92	5000	ND
Methanol	67-56-1	18.8	62.68	3000	ND
Pentane	109-66-0	26.44	88.2	5000	ND
Propane	74-98-6	99.2	330.88	5000	ND
Toluene	108-88-3	20.68	69	890	ND
Total Xylenes	1330-20-7	24.76	82.52	2170	ND

Residual solvents tested on a Shimadzu GCMS-QP2010 SE following SOP AL-05.

LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

Foreign Matter		Date Analyzed: 10/29/2020
Analyte	Action Level (%)	Result
Overall Foreign Matter		Complete
FM Sand, Soil, Cinders, or Dirt	>25% of Sample Area	ND
FM Mold	>25% of Sample Area	ND
FM Insect Fragments, Hair, Mammalian Excreta	>1 Fragment per 3 grams	ND
FM Imbedded Foreign Material	>25% of Sample Area	ND

Foreign matter inspected using a VWR Stereo Basic Halogen Microscope following SOP L-05. ND = Not Detected.



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