PHARMLABS
CANNABIS LABORATORY TESTING CERTIFICATE OF ANALYSIS

Revised: Aug 08, 2016 - 03:22 PM

CBD Oil Concentrate

Client Industrial Hemp Supply LLC

Sample ID 013795

Test Type PREMIUM POTENCY, PREMIUM MICROBIAL SCREENING

Sample Type CONCENTRATE

Tested On 28 Jul 2016

Valid Through 28 Aug 2016

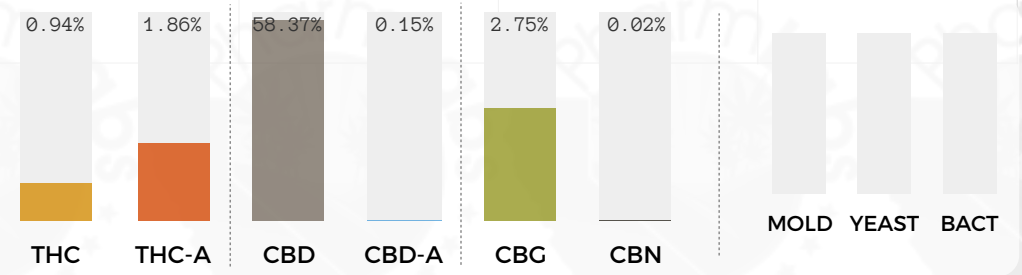
Reviewed By Greg Magdoff - Quality Assurance Manager/Analyst

Method HPLC, Incubation of Colonies with Petrifilm Count Plates/ELISA

Issued By Jaclyn Mauser - Lab Director

THC	0.94 %	THC-A	1.86 %	TOTAL THC	2.8 %
CBD	58.37 %	CBD-A	0.15 %	TOTAL CBD	58.52 %
INTAKE WEIGHT	n/a	CBG	2.75 %	CBN	0.02 %
MOISTURE	n/a (2% - 20%)				

Total Mold	NOT DETECTABLE
Total Yeast	NOT DETECTABLE
Total Aerobic Bacteria	NOT DETECTABLE
E.coli.	NOT DETECTABLE
Staphylococcus aureus	NOT DETECTABLE
Salmonella	NOT DETECTABLE
Pseudomonas aeruginosa	NOT DETECTABLE
Aspergillus spp.	NOT DETECTABLE
Ochratoxin A	2.2 PPBs
Total Aflatoxin (B1 B2 G1 G2)	3.9 PPBs



Potency results are expressed as a percentage of the dry weight of the entire sample.

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CBD Oil Concentrate

Client Industrial Hemp Supply LLC

Sample ID 013795

Test Type TERPENES PROFILE

Sample Type CONCENTRATE

Tested On 28 Jul 2016

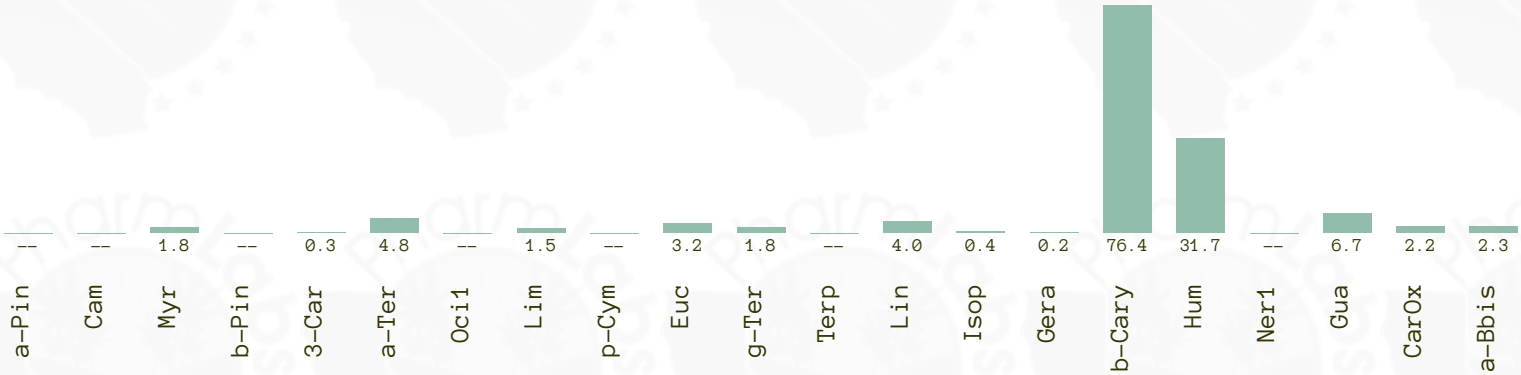
Valid Through 28 Aug 2016

Reviewed By Greg Magdoff - Quality Assurance Manager/Analyst

Method GC/FID with Headspace Analyzer

Issued By Jaclyn Mauser - Lab Director

a-Pinene	0.0 mg/g	Camphene	0.0 mg/g
Myrcene	0.18 mg/g	b-Pinene	0.0 mg/g
3-Carene	0.03 mg/g	a-Terpinene	0.48 mg/g
Ocimene	0.0 mg/g	Limonene	0.15 mg/g
p-Cymene	0.0 mg/g	Eucalyptol	0.32 mg/g
g-Terpinene	0.18 mg/g	Terpenolene	0.0 mg/g
Linalool	0.4 mg/g	Isopulegol	0.04 mg/g
Geraniol	0.02 mg/g	b-Caryophyllene	7.64 mg/g
Humulene	3.17 mg/g	Nerolidol	0.0 mg/g
Guaiol	0.67 mg/g	Caryophyllene Oxide	0.22 mg/g
a-bisabolol	0.23 mg/g	**Terpene Content**	13.73 mg/g



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CBD Oil Concentrate

Client Industrial Hemp Supply LLC

Sample ID 013795

Test Type STANDARD RESIDUAL SOLVENT ANALYSIS

Sample Type CONCENTRATE

Tested On 28 Jul 2016

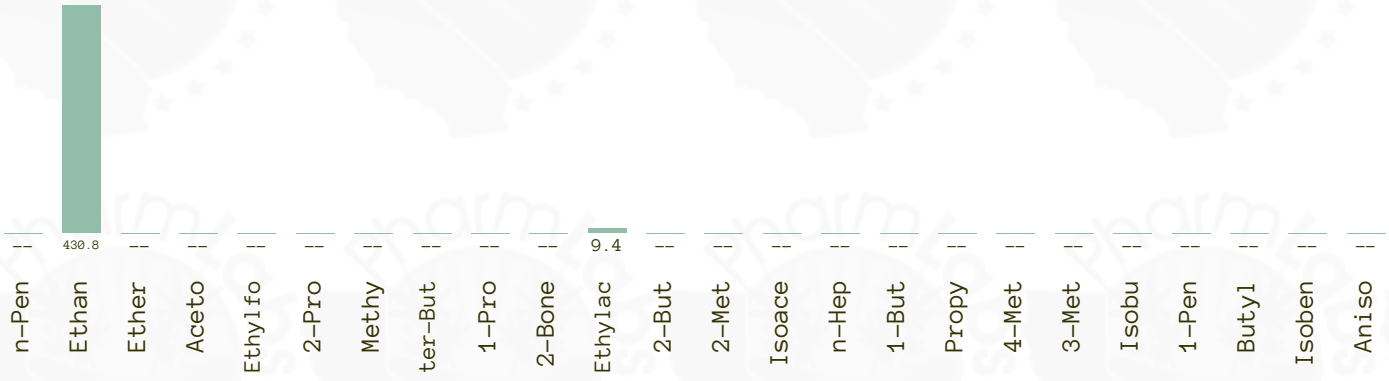
Valid Through 28 Aug 2016

Reviewed By Greg Magdoff - Quality Assurance Manager/Analyst

Method GC/FID with Headspace Analyzer

Issued By Jaclyn Mauser - Lab Director

n-Pentane	Below Limit of Detection	Ethanol	43.08 mg/g
Ethyl Ether	Below Limit of Detection	Acetone	Below Limit of Detection
Ethyl formate	Below Limit of Detection	2-Propanol (Isopropanol)	Below Limit of Detection
Methyl acetate	Below Limit of Detection	Tert-Butyl methyl ether	Below Limit of Detection
1-Propanol	Below Limit of Detection	2-Butanone	Below Limit of Detection
Ethyl acetate	0.94 mg/g	2-Butanol	Below Limit of Detection
2-Methyl-1-propanol	Below Limit of Detection	Isopropyl acetate	Below Limit of Detection
n-Heptane	Below Limit of Detection	1-Butanol	Below Limit of Detection
Propyl acetate	Below Limit of Detection	4-Methyl-2-pentanone	Below Limit of Detection
3-Methyl-1-butanol	Below Limit of Detection	Isobutyl acetate	Below Limit of Detection
1-Pentanol	Below Limit of Detection	Butyl acetate	Below Limit of Detection
Isopropylbenzene	Below Limit of Detection	Anisole	Below Limit of Detection
		Residual Content	44.02 mg/g



CBD Oil Concentrate

Client Industrial Hemp Supply LLC

Sample ID 013795

Test Type PREMIUM PESTICIDE ANALYSIS

Sample Type CONCENTRATE

Tested On 28 Jul 2016

Valid Through 28 Aug 2016

Reviewed By Greg Magdoff - Quality Assurance Manager/Analyst

Method unspecified

Issued By Jaclyn Mauser - Lab Director

3-hydroxycarbofuran	Below Limit of Detection	Acephate	Below Limit of Detection
Acetamiprid	Below Limit of Detection	Acibenzolar-S-methyl	Below Limit of Detection
Aldicarb	Below Limit of Detection	Aldicarb sulfone	Below Limit of Detection
Aldicarb sulfoxide	Below Limit of Detection	Ametryn	Below Limit of Detection
Aminocarb	Below Limit of Detection	Amitraz	Below Limit of Detection
Avermectin B1a	Below Limit of Detection	Azoxystrobin	Below Limit of Detection
Benalaxyl	Below Limit of Detection	Bendiocarb	Below Limit of Detection
Benfuracarb	Below Limit of Detection	Benxoximate	Below Limit of Detection
Bifenazate	Below Limit of Detection	Bitertanol	Below Limit of Detection
Boscalid	Below Limit of Detection	Bromucanozole isomer 1	Below Limit of Detection
Bromucanozole isomer 2	Below Limit of Detection	Bupirimate	Below Limit of Detection
Buprofezin	Below Limit of Detection	Butafenacil	Below Limit of Detection
Butocarboxim	Below Limit of Detection	Butoxucarboxim	Below Limit of Detection
Carbaryl	Below Limit of Detection	Carbendazim	Below Limit of Detection
Carbofuran	Below Limit of Detection	Carboxin	Below Limit of Detection
Carfentrazone-ethyl	Below Limit of Detection	Carnetamide	Below Limit of Detection
Chlorantraniliprole	Below Limit of Detection	Chlorfluazuron	Below Limit of Detection
Chlorofoluron	Below Limit of Detection	Chloroxuron	Below Limit of Detection
Clofentezine	Below Limit of Detection	Clothianidin	Below Limit of Detection
Cyazofamid	Below Limit of Detection	Cycluron	Below Limit of Detection
Cymoxanil	Below Limit of Detection	Cyproconazole isomer 1	Below Limit of Detection
Cyproconazole isomer 2	Below Limit of Detection	Cyprodinil	Below Limit of Detection
Cyromazine	Below Limit of Detection	Desmedipham	Below Limit of Detection
Diclobutrazol	Below Limit of Detection	Dicrotophos	Below Limit of Detection
Diethofencarb	Below Limit of Detection	Difenoconasole isomer 1	Below Limit of Detection
Difenoconazole isomer 2	Below Limit of Detection	Diflubenzuron	Below Limit of Detection
Dimethoate	Below Limit of Detection	Dimethomorph	Below Limit of Detection
Dimoxystrobin	Below Limit of Detection	Diniconazole	Below Limit of Detection
Dinotefuran	Below Limit of Detection	Diuron	Below Limit of Detection
Emamectin-bezoate b1a	Below Limit of Detection	Emamectin-bezoate b1b	Below Limit of Detection
Epoxiconazole	Below Limit of Detection	Eprinomectin	Below Limit of Detection
Etaconazole isomer 1	Below Limit of Detection	Etaconazole isomer 2	Below Limit of Detection
Ethiofencarb	Below Limit of Detection	Ethiprole	Below Limit of Detection

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Method unspecified

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Ethirimol	Below Limit of Detection	Ethofumesate	Below Limit of Detection
Etoxazole	Below Limit of Detection	Famoxadone	Below Limit of Detection
Fenamidone	Below Limit of Detection	Fenarimol	Below Limit of Detection
Fenazaquin	Below Limit of Detection	Fenbuconazole	Below Limit of Detection
Fenobucarb	Below Limit of Detection	Fenoxycarb	Below Limit of Detection
Fenpropimorph	Below Limit of Detection	Fenpyroximate	Below Limit of Detection
Fenuron	Below Limit of Detection	Fipronil	Below Limit of Detection
Flonicamid	Below Limit of Detection	Flubendiamide	Below Limit of Detection
Fludioxinil	Below Limit of Detection	Flufenacet	Below Limit of Detection
Flufenoxuron	Below Limit of Detection	Fluometuron	Below Limit of Detection
Fluquinconazole	Below Limit of Detection	Flusilazole	Below Limit of Detection
Flutlanil	Below Limit of Detection	Flutriafol	Below Limit of Detection
Fluxastrobin	Below Limit of Detection	Forchlorfenuron	Below Limit of Detection
Formetanate	Below Limit of Detection	Fuberidazole	Below Limit of Detection
Furalaxyl	Below Limit of Detection	Furathiocarb	Below Limit of Detection
Halofenozide	Below Limit of Detection	Hexaconazole	Below Limit of Detection
Hexaflumoron	Below Limit of Detection	Hexythizox	Below Limit of Detection
Hydramethylnon	Below Limit of Detection	Imazalil	Below Limit of Detection
Imidacloprid	Below Limit of Detection	Indoxacarb	Below Limit of Detection
Ipconazole isomer 1	Below Limit of Detection	Ipconazole isomer 2	Below Limit of Detection
Iprovalicarb isomer	Below Limit of Detection	Isoprocarb	Below Limit of Detection
Isoproturon	Below Limit of Detection	Ivermectin	Below Limit of Detection
Kresoxim-methyl	Below Limit of Detection	Linuron	Below Limit of Detection
Lufenuron	Below Limit of Detection	Mandipropamid	Below Limit of Detection
Mefenacet	Below Limit of Detection	Mepanipyrim	Below Limit of Detection
Mepronil	Below Limit of Detection	Metalaxyl	Below Limit of Detection
Metconazole	Below Limit of Detection	Methabenzthiazuron	Below Limit of Detection
Methamidophos	Below Limit of Detection	Methiocarb	Below Limit of Detection
Methomyl	Below Limit of Detection	Methoprotryne	Below Limit of Detection
Methoxyfenozide	Below Limit of Detection	Metobromuron	Below Limit of Detection
Metribuzin	Below Limit of Detection	Mevinphos	Below Limit of Detection
Mexacarbate	Below Limit of Detection	Monocrotophos	Below Limit of Detection
Monolinuron	Below Limit of Detection	Myclobutanil	Below Limit of Detection

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Neburon	Below Limit of Detection	Nitenpyram	Below Limit of Detection
Novaluron	Below Limit of Detection	Nuarimol	Below Limit of Detection
Omethoate	Below Limit of Detection	Oxadixyl	Below Limit of Detection
Oxamyl	Below Limit of Detection	Paclobutrazol	Below Limit of Detection
Penconazole	Below Limit of Detection	Pencycuron	Below Limit of Detection
Phenmedipham	Below Limit of Detection	Picoxystrobin	Below Limit of Detection
Piperonyl butoxide	Below Limit of Detection	Pirimicarb	Below Limit of Detection
Prochloraz	Below Limit of Detection	Prometon	Below Limit of Detection
Propamocarb	Below Limit of Detection	Propargite	Below Limit of Detection
Propham	Below Limit of Detection	Propiconazole isomer 1	Below Limit of Detection
Propiconazole isomer 2	Below Limit of Detection	Propoxur	Below Limit of Detection
Pymetrozine	Below Limit of Detection	Pyracarbolid	Below Limit of Detection
Pyraclostrobin	Below Limit of Detection	Pyridaben	Below Limit of Detection
Pyrimethanil	Below Limit of Detection	Pyriproxyfen	Below Limit of Detection
Quinoxyfen	Below Limit of Detection	Rotenone	Below Limit of Detection
Secbumeton/terbumeton	Below Limit of Detection	Siduron	Below Limit of Detection
Simetryn	Below Limit of Detection	Spinetoram	Below Limit of Detection
Spinosad A	Below Limit of Detection	Spinosad D	Below Limit of Detection
Spirodiclofen	Below Limit of Detection	Spiromesifen	Below Limit of Detection
Spirotetramat	Below Limit of Detection	Spiroxamine isomer 1	Below Limit of Detection
Spiroxamine isomer 2	Below Limit of Detection	Tebuconazole	Below Limit of Detection
Tebufenozide	Below Limit of Detection	Tebufenpyrad	Below Limit of Detection
Tebuthiuron	Below Limit of Detection	Teflunezuron	Below Limit of Detection
Temephos	Below Limit of Detection	Terbutryn	Below Limit of Detection
Tetraconazole	Below Limit of Detection	Thiabendazole	Below Limit of Detection
Thiacloprid	Below Limit of Detection	Thiamethoxam	Below Limit of Detection
Thidiazuron	Below Limit of Detection	Thiobencarb	Below Limit of Detection
Thiophanate-methyl	Below Limit of Detection	Triadimefon	Below Limit of Detection
Triadimenol	Below Limit of Detection	Tricyclazole	Below Limit of Detection
Trifloxystrobin	Below Limit of Detection	Triflumuron	Below Limit of Detection
Triticonazole	Below Limit of Detection	Vamidothion	Below Limit of Detection
		Pesticide Content	0.0 ppm

PJLA Testing
Accreditation #85368