

## PharmLabs San Diego Certificate of Analysis

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ISO/IEC 17025:2005 Certification L17-427-1 | Accreditation #85368



Sample **PharmaHempComplex 550mg Cod Liver Oil Tincture**

Sample ID	SD191030-013 (34 485)	Matrix	Tincture (Other Cannabis Good)	Batch ID	437 48-05
Tested for	MathCo Health Corp				
Sampled	-	Received	Oct 30, 2019	Reported	Nov 06, 2019
Analyses executed	CAN, TER, PES			Density (g/mL)	0.957

## CAN - Cannabinoid Profile Analysis

Analyzed Oct 30, 2019 | Instrument HPLC | Method SOP-001

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/mL
Cannabidiolic Acid (CBDA)	0.01	0.02	0.01	0.06
Cannabigerol (CBG)	0.03	0.09	0.02	0.20
Cannabidiol (CBD)	0.01	0.04	1.69	17.66
Cannabinol (CBN)	0.03	0.1	0.00	0.04
Tetrahydrocannabinol (THC)	0.04	0.15	0.04	0.40
Tetrahydrocannabinolic Acid (THCA)	0.03	0.11	ND	ND
Total THC (THCa * 0.877 + THC)			0.04	0.38
Total CBD (CBDA * 0.877 + CBD)			1.69	16.95

ND Not Detected  
N/A Not Applicable  
NT Not Reported  
LOD Limit of Detection  
LOQ Limit of Quantification  
<LOQ Detected  
>ULOL Above upper limit of linearity  
CFU/g Colony Forming Units per 1 gram  
TNTC Too Numerous to Count



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Dr. Lia Prevedello, Laboratory Director  
Wed, 06 Nov 2019 09:40:02 -0800

## PES - Pesticides Screening Analysis

Analyzed Nov 05, 2019 | Instrument LC/MSMS GC/MSMS | Method SOP-003

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.025	0.1	ND	0.025	Carbofuran	0.025	0.1	ND	0.025
Dimethoate	0.025	0.1	ND	0.025	Etofenprox	0.025	0.1	ND	0.025
Fenoxycarb	0.025	0.1	ND	0.025	Thiacloprid	0.025	0.1	ND	0.025
Daminozide	0.025	0.1	ND	0.025	Dichlorvos	0.025	0.1	ND	0.025
Imazalil	0.025	0.1	ND	0.025	Methiocarb	0.025	0.1	ND	0.025
Spiroxamine	0.025	0.1	ND	0.025	Coumaphos	0.025	0.1	ND	0.025
Fipronil	0.025	0.1	ND	0.025	Paclotubrazol	0.025	0.1	ND	0.025
Chlorpyrifos	0.025	0.1	ND	0.025	Ethoprophos (Prophos)	0.025	0.1	ND	0.025
Baygon (Propoxur)	0.025	0.1	ND	0.025	Chlordane	0.025	0.1	ND	0.025
Chlorfenapyr	0.025	0.1	ND	0.025	Methyl Parathion	0.025	0.1	ND	0.025
Mevinphos	0.025	0.1	ND	0.025	Abamectin	0.025	0.05	ND	0.3
Acephate	0.025	0.05	ND	5	Acetamiprid	0.025	0.05	ND	5
Azoxystrobin	0.025	0.05	ND	40	Bifenazate	0.025	0.05	ND	5
Bifenthrin	0.025	0.05	ND	0.5	Boscalid	0.025	0.05	ND	10
Carbaryl	0.025	0.05	ND	0.5	Chlorantraniliprole	0.025	0.05	ND	40
Clofentezine	0.025	0.05	ND	0.5	Diazinon	0.025	0.05	ND	0.2
Dimethomorph	0.025	0.05	ND	20	Etoazole	0.025	0.05	ND	1.5
Fenpyroximate	0.025	0.05	ND	2	Fonicamid	0.025	0.05	ND	2
Fludioxonil	0.025	0.05	ND	30	Hexythiazox	0.025	0.05	ND	2
Imidacloprid	0.025	0.05	ND	3	Kresoxim-methyl	0.025	0.05	ND	1
Malathion	0.025	0.05	ND	5	Metalaxyl	0.025	0.05	ND	15
Methomyl	0.025	0.05	ND	0.1	Myclobutanil	0.025	0.05	ND	9
Naled	0.025	0.05	ND	0.5	Oxamyl	0.025	0.05	ND	0.2
Permethrin	0.025	0.05	ND	20	Phosmet	0.025	0.05	ND	0.2
Piperonyl Butoxide	0.025	0.05	ND	8	Propiconazole	0.025	0.05	ND	20
Prallethrin	0.025	0.05	ND	0.4	Pyrethrin	0.025	0.05	ND	1
Pyridaben	0.025	0.05	ND	3	Spinosad A	0.025	0.05	ND	3
Spinosad D	0.025	0.05	ND	3	Spiromesifen	0.025	0.05	ND	12
Spirotetramat	0.025	0.05	ND	13	Tebuconazole	0.025	0.05	ND	2
Thiamethoxam	0.025	0.05	ND	4.5	Trifloxystrobin	0.025	0.05	ND	30
Acequinocyl	0.025	0.05	ND	4	Captan	0.025	0.05	ND	5
Cypermethrin	0.025	0.05	ND	1	Cyfluthrin	0.025	0.05	ND	1
Fenhexamid	0.025	0.05	ND	10	Spinetoram J,L	0.025	0.05	ND	3
Pentachloronitrobenzene	0.025	0.05	ND	0.2					

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## TER - Terpenes Testing Analysis

Analyzed Nov 05, 2019 | Instrument GC/FID with Headspace Analyzer | Method SOP-002

Analyte	(%)	(mg/g)	Analyte	(%)	(mg/g)
$\alpha$ -Pinene ( $\alpha$ -Pin)	ND	ND	Camphene (Cam)	ND	ND
Myrcene (Myr)	ND	ND	b-Pinene (b-Pin)	0.27	2.66
3-Carene (3-Car)	ND	ND	$\alpha$ -Terpinene ( $\alpha$ -Ter)	ND	ND
$\alpha$ -Ocimene ( $\alpha$ -Oci)	ND	ND	Limonene (Lim)	ND	ND
p-Cymene (p-Cym)	ND	ND	b-Ocimene (b-Oci)	ND	ND
Eucalyptol (Euc)	ND	ND	g-Terpinene (g-Ter)	ND	ND
Terpenolene (Terp)	ND	ND	Linalool (Lin)	ND	ND
Isopulegol (Isop)	ND	ND	Geraniol (Gera)	ND	ND
b-Caryophyllene (b-Cary)	ND	ND	$\alpha$ -Humulene (Hum)	ND	ND
cis-Nerolidol (ci-Ner)	ND	ND	trans-Nerolidol (tr-Ner)	ND	ND
Guaiol (Gua)	ND	ND	Caryophyllene Oxide (CarOx)	ND	ND
$\alpha$ -bisabolol ( $\alpha$ -Bbis)	ND	ND			
			<b>Total Terpene Concentration</b>	<b>0.27 %</b>	<b>2.66 mg/g</b>

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