

Sample 1000mg Oil

Sample ID:	BBL_2196	Matrix:	Tincture	Analyses Executed:	Full Panel
Company:	Happy Karma Hemp	Batch ID:	HK1000-Oil	Reported:	14 Feb, 2022
Phone:		Received:	31 Jan, 2022		
Address:	P.O. Box 42154 ATX 78704				
Email:	happykarmahemp@gmail.com				

Lab Notes: Results reported for sample as received

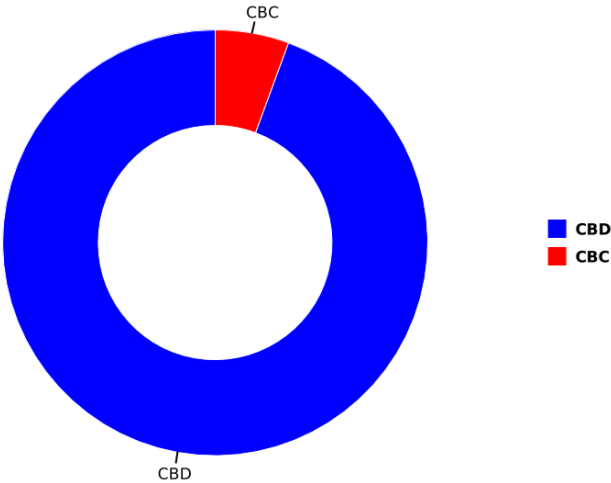
Cannabinoid Profile Analysis

Analyzed 06 Feb, 2022 | Instrument HPLC-PDA | Method TM-101  
Uncertainty Measurement at 95% confidence level is 10%, k=2

Analyte	LOD (ppm)	LOQ (ppm)	Result %	Result (mg/g)	mg/ml	mg/pack
Cannabidivarinic acid (CBDVa)	0.030	0.080	ND	ND	ND	ND
Cannabidivarin (CBDV)	0.050	0.150	ND	ND	ND	ND
Cannabidiolic acid (CBDA)	0.040	0.110	ND	ND	ND	ND
Cannabigerolic acid (CBGa)	0.040	0.120	ND	ND	ND	ND
Cannabigerol (CBG)	0.080	0.230	ND	ND	ND	ND
Cannabidiol (CBD)	0.060	0.190	1.8946	18.95	18.24	1094.59
Tetrahydrocannabivarin (THCV)	0.080	0.240	ND	ND	ND	ND
Tetrahydrocannabivarinic acid (THCVa)	0.050	0.160	ND	ND	ND	ND
Cannabinol (CBN)	0.040	0.120	ND	ND	ND	ND
Cannabinolic acid (CBNa)	0.080	0.250	ND	ND	ND	ND
D9-Tetrahydrocannabinol (D9-THC)	0.120	0.360	ND	ND	ND	ND
D8-Tetrahydrocannabinol (D8-THC)	0.140	0.430	ND	ND	ND	ND
Cannabicyclol (CBL)	0.210	0.640	ND	ND	ND	ND
D9-Tetrahydrocannabinolic acid (THCa)	0.130	0.400	ND	ND	ND	ND
Cannabichromene (CBC)	0.090	0.280	0.113	1.13	1.09	65.28
Cannabichromenic acid (CBCa)	0.350	1.060	ND	ND	ND	ND
Total THC (THCa * 0.877 + THC)			ND	ND		
Total CBD (CBDA * 0.877 + CBD)			1.89	18.95		
Total CBG (CBGa * 0.877 + CBG)			ND	ND		
Total Cannabinoids			2.01	20.08		

Volume: 60.0000 ml, Density: 0.9629

Sample Photography



NR Not Reportable  
ND Not Detected  
N/A Not Applicable  
NT Not Tested  
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



Scan the QR code to verify authenticity.

Authorized Signature



Dr. Archana R. Parameswar,  
Laboratory Director  
14 Feb, 2022 04:36:37 PM

## FVI - Filth & Foreign Matter Inspection

Analyzed | Instrument Microscope | Method TM-108

Analyte Name	Result
> 1/4 of the total sample area covered by sand soil cinders or dirt	Negative
> 1/4 of the total sample area covered by mold	Negative
> 1 insect fragment 1 hair or 1 count mammalian excreta per 3g	Negative
> 1/4 of the total sample area covered by an imbedded foreign material	Negative

## HME - Heavy Metals Detection Analysis

Analyzed 01 Feb, 2022 | Instrument ICP-MS | Method TM-105

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Arsenic (As)	0.005	0.015	0		1.5
Cadmium (Cd)	0.005	0.016	0		0.3
Mercury (Hg)	0.004	0.013	0		0.5
Lead (Pb)	0.075	0.224	0.05		1

## MIB - Microbial Testing Analysis


Analyzed 14 Feb, 2022 | Instrument Plating | Method Subcontracted

Analyte	Limit (CFU/g)	Result CFU/g	Flag
E. Coli	0.99	0	Pass
Staphylococcus aureus	0.99	0	Pass
Salmonella SPP	0.99	0	Pass
Yeast & Mold	10000	0	Pass
Aspergillus	0.99	0	Pass
Total aerobic microbial count	ND per 1 gram		
Bile Tolerant gram negative bacteria	ND per 1 gram		
Pseudomonas aeruginosa	ND per 1 gram		

NR Not Reportable  
ND Not Detected  
N/A Not Applicable  
NT Not Tested  
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



Scan the QR code to  
verify authenticity.

Authorized Signature  


Dr. Archana R. Parameswar,  
Laboratory Director  
14 Feb, 2022 04:36:37 PM

# MTO - Mycotoxin Testing Analysis

Analyzed 03 Feb, 2022 | Instrument LC-MS/MS | Method TM-104

Analyte	LOD (ppb)	LOQ (ppb)	Result ug/kg (ppb)	Flag	Limit ug/kg
Mycotoxin B1	0.000	0.010	N D		20
Mycotoxin B2	0.010	0.030	N D		20
Mycotoxin G1	0.010	0.020	N D		20
Mycotoxin G2	0.010	0.040	N D		20
Ochratoxin A	0.020	0.060	N D		20
Total Mycotoxins			N D		20

# PES - Pesticides Screening Analysis


Analyzed | Instrument LC-MS/MS | Method TM-103

Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Abamectin	0.110	0.330	N D		0.3
Acephate	0.230	0.700	N D		5
Acequinocyl	0.110	0.320	N D		4
Acetamiprid	0.020	0.050	N D		5
Aldicarb	0.020	0.050	N D		0.4
Azoxystrobin	0.020	0.060	N D		40
Bifenazate	0.010	0.030	N D		5
Bifenthrin	0.020	0.060	N D		0.5
Boscalid	0.060	0.170	N D		10
Carbaryl	0.010	0.040	N D		0.5
Carbofuran	0.010	0.020	N D		0.01
Chlorantraniliprole	0.010	0.030	N D		40
Chlorpyrifos	0.010	0.030	N D		0.01
Clofentezine	0.010	0.040	N D		0.5
Coumaphos	0.040	0.120	N D		0.04
Cyfluthrin	2.320	7.020	N D		2.32
Cypermethrin	0.370	1.130	N D		1
Daminozide	0.550	1.650	N D		0.55
Dichlorvos	0.050	0.140	N D		0.05
Dimethoate	0.010	0.020	N D		0.01
Dimethomorph	0.010	0.030	N D		20
Ethoprophos	0.020	0.050	N D		0.02
Etofenprox	0.010	0.040	N D		0.01
Etoxazole	0.010	0.020	N D		1.5
Fenhexamid	0.040	0.140	N D		10
Fenoxycarb	0.020	0.060	N D		0.02
Fenpyroximate	0.010	0.040	N D		2

NR Not Reportable  
ND Not Detected  
N/A Not Applicable  
NT Not Tested  
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



Scan the QR code to verify authenticity.

Authorized Signature  


Dr. Archana R. Parameswar,  
Laboratory Director  
14 Feb, 2022 04:36:37 PM



Analytes	LOD (ppb)	LOQ (ppb)	Result ug/g	Flag	Limit ug/g
Fipronil	0.010	0.040	N D		0.01
Fludioxinil	0.020	0.050	N D		30
Flonicamide	0.010	0.030	N D		2
Hexythiazox	0.010	0.020	N D		2
Imazalil	0.060	0.170	N D		0.06
Imidacloprid	0.040	0.110	N D		0.4
Kresoxim-methyl	0.020	0.050	N D		1
Malathion	0.010	0.030	N D		5
Metalaxyl	0.010	0.020	N D		15
Methiocarb	0.010	0.030	N D		0.4
Methomyl	0.020	0.050	N D		0.4
Mevinphos	0.060	0.180	N D		0.06
Myclobutanil	1.190	3.610	N D		9
Naled	0.030	0.080	N D		0.5
Oxamyl	0.020	0.050	N D		1
Paclobutrazole	0.020	0.060	N D		0.02
Permethrin	0.080	0.260	N D		20
Phosmet	0.010	0.030	N D		0.2
Piperonyl butoxide	0.010	0.040	N D		8
Prallethrin	0.100	0.300	N D		0.4
Propiconazole	0.070	0.220	N D		20
Propoxur	0.010	0.030	N D		0.01
Pyrethrin-I	0.020	0.060	N D		1
Pyridaben	0.010	0.020	N D		3
Spinetoram	0.230	0.690	N D		3
Spinosyn A	0.010	0.020	N D		3
Spinosyn D	0.000	0.010	N D		3
Spiromesifen	0.050	0.140	N D		12
Spirotetramat	0.010	0.030	N D		13
Spiroxamine	0.010	0.030	N D		0.01
Tebuconazole	0.010	0.030	N D		2
Thiachloprid	0.010	0.030	N D		0.01
Thiamethoxam	0.010	0.040	N D		4.5
Methyl parathion	0.050	0.140	N D		8.5
Diazinon	0.010	0.040	N D		0.2
Trifloxystrobin	0.010	0.030	N D		30
Chlordane	0.740	2.250	N D		0.74
Chlorfenapyr	0.830	2.530	N D		0.83
Pentachloronitrobenzene	0.060	0.170	N D		0.2

NR Not Reportable  
ND Not Detected  
N/A Not Applicable  
NT Not Tested  
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



Scan the QR code to  
verify authenticity.

Authorized Signature

*Archana*

Dr. Archana R. Parameswar,  
Laboratory Director  
14 Feb, 2022 04:36:37 PM

RES – Residual Solvent Analysis

Analyzed 01 Feb, 2022 | Instrument HS-GC/MS | Method TM-106

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Flag	Limit ug/g
Propane	0.470	1.410	N D		5000
Butane	0.200	0.610	N D		5000
Methanol	0.070	0.230	N D		3000
Ethylene oxide	0.001	0.004	N D		1
Pentane	0.130	0.410	N D		5000
Ethanol	0.130	0.380	473.6		5000
Ethyl ether	0.020	0.070	N D		5000
Acetone	0.060	0.180	N D		5000
Isopropyl alcohol	0.030	0.090	N D		5000
Acetonitrile	0.020	0.060	N D		410
Methylene chloride	0.010	0.020	N D		1
Hexane	0.030	0.080	N D		290
Ethyl acetate	0.030	0.080	N D		5000
Chloroform	0.010	0.030	N D		1
Benzene	0.010	0.030	N D		1
1,2-Dichloroethane	0.010	0.030	N D		1
Heptane	0.020	0.060	N D		5000
Trichloroethene	0.010	0.030	N D		1
Toluene	0.010	0.020	N D		890
m,p-Xylenes	0.010	0.030	N D		2170
o-Xylene	0.010	0.020	N D		2170
Total Xylenes (m,p,o-xylenes)			Error		

\*The limit of 2170 ug/g for m,p-Xylenes and o-Xylene is to be intended as the two analytes combined.

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



Scan the QR code to  
verify authenticity.

Authorized Signature  


Dr. Archana R. Parameswar,  
Laboratory Director  
14 Feb, 2022 04:36:37 PM