



Innovational Laboratories, LLC.
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www.ilab-us.com

CoA # 20071697
CoA Date 07/15/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

Customer HempFusion
Address 1550 Larimer St., Ste 224
Denver, CO 80202

Date Received 7/8/2020
Condition Good
Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667
Detection Limit 0.001%



Remarks

Analysis	Specification	Test Result	Test Method	Test Date
Cannabinoids				
Cannabidiol (CBD)	N/A	51.1mg / 40g	AOAC 2018.11	07/12/2020
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	AOAC 2018.11	as above
Cannabidivarin (CBDV)	N/A	2.00mg / 40g	AOAC 2018.11	as above
Cannabidiolic Acid (CBDA)	N/A	1.16mg / 40g	AOAC 2018.11	as above
Cannabigerol (CBG)	N/A	Not Detected	AOAC 2018.11	as above
Cannabichromene (CBC)	N/A	1.80mg / 40g	AOAC 2018.11	as above

Authorized by


Guy Weerasekera, Ph.D. / Lab Director

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Pesticides				
DDT	N/A	Pass <0.500 ppm	GC-MS	07/09/2020
Alachlor	N/A	Pass <0.500 ppm	GC-MS	as above
Aldin	N/A	Pass <0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	Pass <3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Brompropylate	N/A	Pass <2.000 ppm	GC-MS	as above
Chlordane	N/A	Pass <0.025 ppm	GC-MS	as above
Chlorfenvinphos	N/A	Pass <0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	Pass <0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	Pass <2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	Pass <0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	Pass <0.150 ppm	GC-MS	as above
Cypermethrin	N/A	Pass <0.150 ppm	GC-MS	as above
Deltamethrin	N/A	Pass <0.500 ppm	GC-MS	as above
Diazinon	N/A	Pass <2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	Pass <1.000 ppm	GC-MS	as above
Dichlorvos	N/A	Pass <0.050 ppm	GC-MS	as above
Dicofol	N/A	Pass <0.500 ppm	GC-MS	as above
Dieldrin	N/A	Pass <0.025 ppm	GC-MS	as above
Dimethoate	N/A	Pass <1.000 ppm	GC-MS	as above
Endosulfan	N/A	Pass <0.250 ppm	GC-MS	as above
Endrin	N/A	Pass <0.025 ppm	GC-MS	as above
Ethion	N/A	Pass <0.500 ppm	GC-MS	as above
Etrimpfos	N/A	Pass <0.250 ppm	GC-MS	as above
Fenchlorophos	N/A	Pass <0.500 ppm	GC-MS	as above
Fenitrothion	N/A	Pass <1.000 ppm	GC-MS	as above
Fenpropathrin	N/A	Pass <0.050 ppm	GC-MS	as above
Fensulfthion	N/A	Pass <0.500 ppm	GC-MS	as above
Fenthion	N/A	Pass <0.250 ppm	GC-MS	as above
Fenvalerate	N/A	Pass <0.010 ppm	GC-MS	as above
Flucytrinate	N/A	Pass <0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	Pass <0.250 ppm	GC-MS	as above
Fonofos	N/A	Pass <0.150 ppm	GC-MS	as above
Heptachlor	N/A	Pass <0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	Pass <0.100 ppm	GC-MS	as above

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Hexachlorocyclohexane	N/A	Pass <0.025 ppm	GC-MS	as above
Lindane	N/A	Pass <0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass <0.100 ppm	GC-MS	as above
Malathion	N/A	Pass <0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass <0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass <0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass <0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass <0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass <0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass <0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass <0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass <0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass <1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass <0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass <0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass <0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above

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CoA # 20071697B
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1550 Larimer St. Suite 224
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Date Received 7/8/2020
Condition Good
Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667



Remarks

Analysis	Specification	Test Result	Test Method	Test Date
Heavy Metals				
Arsenic (As)	N/A	0.005mg / g	ICP-MS (STP-021)	07/14/2020
Cadmium (Cd)	N/A	<0.004mg / g	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001mg / g	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.028mg / g	ICP-MS (STP-021)	as above

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1550 Larimer St. Suite 224
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Date Received 7/8/2020
Condition Good
Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667

Remarks



Analysis	Specification	Test Result	Test Method	Test Date
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP <467>	07/08/2020
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
Tetrahydrofuran	N/A	Pass <720 ppm	USP <467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP <467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP <467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP <467>	as above
Toluene	N/A	Pass <890 ppm	USP <467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP <467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP <467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP <467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP <467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP <467>	as above
n-Hexane	N/A	Pass <290 ppm	USP <467>	as above
Nitromethane	N/A	Pass <50 ppm	USP <467>	as above
Chloroform	N/A	Pass <60 ppm	USP <467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP <467>	as above
Trichloroethylene	N/A	Pass <80 ppm	USP <467>	as above
Pyridine	N/A	Pass <200 ppm	USP <467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP <467>	as above
Tetralin	N/A	Pass <100 ppm	USP <467>	as above
Ethanol	N/A	Pass <5000 ppm	USP <467>	as above

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Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667

Remarks



Analysis	Specification	Test Result	Test Method	Test Date
Terpenes				
alpha-Pinene	N/A	16.11mg / 40g	GC	07/08/2020
Camphene	N/A	2.46mg / 40g	GC	as above
β-myrcene	N/A	Not Detected	GC	as above
β-Pinene	N/A	19.63mg / 40g	GC	as above
3-Carene	N/A	3.78mg / 40g	GC	as above
alpha-Terpinene	N/A	5.60mg / 40g	GC	as above
Ocimene	N/A	12.43mg / 40g	GC	as above
Limonene	N/A	44.73mg / 40g	GC	as above
p-Cymene	N/A	Not Detected	GC	as above
β-Ocimene	N/A	7.08mg / 40g	GC	as above
Eucalyptol	N/A	84.13mg / 40g	GC	as above
gamma-Terpinene	N/A	4.00mg / 40g	GC	as above
Terpinolene	N/A	3.24mg / 40g	GC	as above
Linalool	N/A	3.38mg / 40g	GC	as above
Isopulegol	N/A	34.61mg / 40g	GC	as above
Geraniol	N/A	3.89mg / 40g	GC	as above
β-Caryophyllene	N/A	95.14mg / 40g	GC	as above
alpha-Humulene	N/A	4.76mg / 40g	GC	as above
Nerolidol 1	N/A	Not Detected	GC	as above
Nerolidol 2	N/A	Not Detected	GC	as above
Guaiol	N/A	Not Detected	GC	as above
Caryophyllene oxide	N/A	5.66mg / 40g	GC	as above
alpha-Bisabolol	N/A	Not Detected	GC	as above

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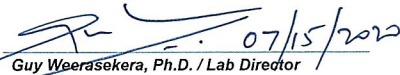
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Customer	Hemp Fusion, Inc.	Date Received	7/8/2020
Address	1550 Larimer St. Suite 224 Denver, CO 80202	Condition	Good
		Temp	Ambient
Sample Name	Pain Relief Balm	PO #	
Sample Lot #	098667	Remarks	



Analysis	Specification	Test Result	Test Method	Test Date
Microbiology				
TPC	N/A	<10 cfu/g	AOAC 966.23	07/08/2020
Yeast	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Mold	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above

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Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667
Detection Limit 0.001%



Remarks

Analysis	Specification	Test Result	Test Method	Test Date
Cannabinoids				
Cannabidiol (CBD)	N/A	56.6mg / 40g	HPLC/UPLC	07/21/2020
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidivarin (CBDV)	N/A	0.680mg / 40g	HPLC/UPLC	as above
Cannabidiolic Acid (CBDA)	N/A	3.32mg / 40g	HPLC/UPLC	as above
Cannabigerol (CBG)	N/A	1.28mg / 40g	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	1.60mg / 40g	HPLC/UPLC	as above

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CoA # 20071700
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Temp Ambient

Sample Name Pain Relief Balm

PO #

Sample Lot # 098667
Detection Limit 0.01%



Remarks

Analysis	Specification	Test Result	Test Method	Test Date
Cannabinoids				
Tetrahydrocannabinol (THC)	N/A	0.01%	AOAC 2018.11	07/13/2020
Cannabinol (CBN)	N/A	<0.01%	AOAC 2018.11	as above
delta-8 Tetrahydrocannabinol	N/A	<0.01%	AOAC 2018.11	as above
Tetrahydrocannabinolic (THCA)	N/A	<0.01%	AOAC 2018.11	as above

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Remarks

Analysis	Specification	Test Result	Test Method	Test Date
Cannabinoids				
Tetrahydrocannabinol (THC)	N/A	<0.01%	HPLC/UPLC	07/21/2020
Cannabinol (CBN)	N/A	<0.01%	HPLC/UPLC	as above
delta-8 Tetrahydrocannabinol	N/A	<0.01%	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	<0.01%	HPLC/UPLC	as above

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