



Innovational Laboratories, LLC.
5555 W Brooks St.
Montclair, CA 91763
Tel 909-230 6210
Fax 909-230 6211
www.ilab-us.com

CoA # 20102699
CoA Date 10/11/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

| | | | |
|-------------------------|---|----------------------|-----------|
| Customer Address | HempFusion 1550 Larimer St., Ste 224 Denver, CO 80202 | Date Received | 10/8/2020 |
| Sample Name | Liquid Tincture 50mg | Condition | Good |
| Sample Lot # | 201053 | Temp | Ambient |
| | THC Detection Limit: 0.001% | PO # | |
| | | Remarks | RUSH |

| Analysis | Specification | Test Result | Test Method | Test Date |
|-------------------------------|---------------|--------------|-------------|------------|
| Cannnabinoids | | | | |
| Cannabidiol (CBD) | N/A | 60.5 mg/mL | HPLC/UPLC | 10/09/2020 |
| Cannabidivarinic Acid (CBDVA) | N/A | Not Detected | HPLC/UPLC | as above |
| Cannabidivarin (CBDV) | N/A | Not Detected | HPLC/UPLC | as above |
| Cannabidiolic Acid (CBDA) | N/A | Not Detected | HPLC/UPLC | as above |
| Cannabigerol (CBG) | N/A | 2.37 mg/mL | HPLC/UPLC | as above |
| Cannabichromene (CBC) | N/A | 0.005 mg/mL | HPLC/UPLC | as above |

Authorized by  10/11/2020
Guy Weerasekera, Ph.D. / Lab Director

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Estimation of uncertainty of measurement is available upon request.



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CoA # 20102699A
CoA Date 10/14/2020
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CERTIFICATE OF ANALYSIS

| | | | |
|--------------|---|---------------|-----------|
| Customer | HempFusion | Date Received | 10/8/2020 |
| Address | 1550 Larimer St., Ste 224 Denver, CO 80202 | Condition | Good |
| | | Temp | Ambient |
| Sample Name | Liquid Tincture 50mg | PO # | |
| Sample Lot # | 201053 | Remarks | RUSH |

| Analysis | Specification | Test Result | Test Method | Test Date |
|---------------------|---------------|-----------------|-------------|------------|
| Pesticides | | | | |
| DDT | N/A | Pass <0.500 ppm | GC-MS | 10/12/2020 |
| 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 |
| Bromopropylate | 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 |
| Etrimphos | 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 |
| Fensulfathion | 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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CoA Status Final

CERTIFICATE OF ANALYSIS

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

Date Received 10/8/2020
Condition Good
Temp Ambient

Sample Name Liquid Tincture 50mg

PO #

Sample Lot # 201053

Remarks RUSH

| Analysis | Specification | Test Result | Test Method | Test Date |
|-----------------------|---------------|-----------------|-------------|-----------|
| 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 |
| Paraaxon-ethyl | N/A | Pass <0.025 ppm | GC-MS | as above |
| Paraaxon | 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 # 20102699B
CoA Date 10/14/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

| | | | |
|---------------------|---|----------------------|-----------|
| Customer | HempFusion | Date Received | 10/8/2020 |
| Address | 1550 Larimer St., Ste 224 Denver, CO 80202 | Condition | Good |
| | | Temp | Ambient |
| Sample Name | Liquid Tincture 50mg | PO # | |
| Sample Lot # | 201053 | Remarks | RUSH |

| Analysis | Specification | Test Result | Test Method | Test Date |
|--------------|---------------|-------------|------------------|------------|
| Heavy Metals | | | | |
| Arsenic (As) | N/A | <0.005 ppm | ICP-MS (STP-021) | 10/13/2020 |
| Cadmium (Cd) | N/A | <0.005 ppm | ICP-MS (STP-021) | as above |
| Mercury (Hg) | N/A | <0.001 ppm | ICP-MS (STP-021) | as above |
| Lead (Pb) | N/A | <0.005 ppm | ICP-MS (STP-021) | as above |

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CoA # 20102699C
CoA Date 10/14/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

| | | | |
|--------------|---|---------------|-----------|
| Customer | HempFusion | Date Received | 10/8/2020 |
| Address | 1550 Larimer St., Ste 224 Denver, CO 80202 | Condition | Good |
| | | Temp | Ambient |
| Sample Name | Liquid Tincture 50mg | PO # | |
| Sample Lot # | 201053 | Remarks | RUSH |

| Analysis | Specification | Test Result | Test Method | Test Date |
|---------------------------|---------------|-----------------|-------------|------------|
| Residual Solvents | | | | |
| Methanol | N/A | Pass <3000 ppm | USP <467> | 10/12/2020 |
| 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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CoA # 20102699D
CoA Date 10/14/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

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

Date Received 10/8/2020
Condition Good
Temp Ambient

Sample Name Liquid Tincture 50mg

PO #

Sample Lot # 201053

Remarks RUSH

| Analysis | Specification | Test Result | Test Method | Test Date |
|---------------------|---------------|--------------|-------------|------------|
| Terpenes | | | | |
| alpha-Pinene | N/A | 0.04mg / g | GC | 10/13/2020 |
| Camphene | N/A | Not Detected | GC | as above |
| β-myrcene | N/A | 0.02mg / g | GC | as above |
| β-Pinene | N/A | 0.05mg / g | GC | as above |
| 3-Carene | N/A | Not Detected | GC | as above |
| alpha-Terpinene | N/A | Not Detected | GC | as above |
| Ocimene | N/A | Not Detected | GC | as above |
| Limonene | N/A | 0.11mg / g | GC | as above |
| p-Cymene | N/A | 0.21mg / g | GC | as above |
| β-Ocimene | N/A | Not Detected | GC | as above |
| Eucalyptol | N/A | 0.32mg / g | GC | as above |
| gamma-Terpinene | N/A | Not Detected | GC | as above |
| Terpinolene | N/A | Not Detected | GC | as above |
| Linalool | N/A | 0.08mg / g | GC | as above |
| Isopulegol | N/A | Not Detected | GC | as above |
| Geraniol | N/A | Not Detected | GC | as above |
| β-Caryophyllene | N/A | 0.09mg / g | GC | as above |
| alpha-Humulene | N/A | Not Detected | 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 | Not Detected | GC | as above |
| alpha-Bisabolol | N/A | Not Detected | GC | as above |

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Guy Weerasekera, Ph.D. / Lab Director

10/14/2020

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CoA # 20102699E
CoA Date 10/14/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

| | | | |
|---------------------|---|----------------------|-----------|
| Customer | HempFusion | Date Received | 10/8/2020 |
| Address | 1550 Larimer St., Ste 224 Denver, CO 80202 | Condition | Good |
| | | Temp | Ambient |
| Sample Name | Liquid Tincture 50mg | PO # | |
| Sample Lot # | 201053 | Remarks | RUSH |

| Analysis | Specification | Test Result | Test Method | Test Date |
|-----------------------|---------------|----------------|--------------|------------|
| Microbiology | | | | |
| TPC | N/A | <10 cfu/g | AOAC 966.23 | 10/09/2020 |
| Yeast | N/A | <10 cfu/g | AOAC 2014.05 | as above |
| Mold | N/A | <10 cfu/g | AOAC 2014.05 | 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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CoA # 20102700
CoA Date 10/11/2020
CoA Status Final

CERTIFICATE OF ANALYSIS

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

Date Received 10/8/2020
Condition Good
Temp Ambient

Sample Name Liquid Tincture 50mg

PO #

Sample Lot # 201053
THC Detection Limit: 0.01%

Remarks RUSH

| Analysis | Specification | Test Result | Test Method | Test Date |
|-------------------------------|---------------|--------------|-------------|------------|
| Cannabinoids | | | | |
| Cannabinol (CBN) | N/A | Not Detected | HPLC/UPLC | 10/09/2020 |
| Tetrahydrocannabinol (THC) | N/A | Not Detected | HPLC/UPLC | as above |
| delta-8 Tetrahydrocannabinol | N/A | Not Detected | HPLC/UPLC | as above |
| Tetrahydrocannabinolic (THCA) | N/A | Not Detected | HPLC/UPLC | as above |

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