


# Finished Goods Testing Summary

## Product Information

	<b>Product Name</b>	Fourth Power Labs 10mg Sublingual Oil 30ml Bottle
	<b>Product Strength</b>	10mg Hemp Derived Cannabinoids per 1ml
	<b>Serving Size</b>	1ml

## Testing Details

<b>Lot Number:</b>	T300001	<b>Total Cannabinoids Per 1ml</b>	
<b>Best By Date:</b>	October 2022	<b>Target:</b>	10mg
<b>Received Date:</b>	05-May-2021	<b>Actual Result:</b>	10.03mg
<b>Completed Date:</b>	17-May-2021	<b>Acceptable Range:</b>	9.75mg – 10.25mg

## Cannabinoid Content per Serving

Cannabinoid	Actual	Cannabinoid	Actual	Cannabinoid	Actual	Cannabinoid	Actual
CBD	8.84mg	CBDVA	ND	CBNA	ND	Delta 8-THC	ND
CBG	1.15mg	CBDV	0.04	CBCA	ND	Delta 9-THC	ND
CBC	ND	CBDA	ND	CBL	ND	THCA	ND
CBN	ND	CBGA	ND	THCV	ND	THCVA	ND

ND (Non-Detectible) indicates presence of cannabinoid less than limits of detection or 0.0mg

**MOLD**  
**PASS**

**SALMONELLA**  
**PASS**

**YEAST**  
**PASS**

**13 MYCOTOXINS**  
**PASS**

**COMPREHENSIVE MICROBIAL PANEL**  
**PASS**

**500+ PESTICIDES**  
**PASS**

**HEAVY METALS**  
**PASS**

**20 RESIDUAL SOLVENTS**  
**PASS**

**FOREIGN MATTER**  
**PASS**

## Certificate of Analysis

### Fourth Power Labs

460 E. Swedesford Road  
Suite 2040  
Wayne PA 19087 United States

<b>Sample Name:</b>	<b>Fourth Power 300mg Tincture</b>	<b>Eurofins Sample:</b>	<b>10552348</b>
<b>Project ID</b>	FOURTH_POWER-20210504-0015	<b>Receipt Date</b>	05-May-2021
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	T300001	<b>Login Date</b>	04-May-2021
<b>Sample Serving Size</b>	1 mL	<b>Date Started</b>	07-May-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	3777-1553EF95

#### Analysis

#### Result

#### Industrial Hemp Cannabinoid Profile

CBDVA	<0.00250 %
CBDV	0.00419 %
CBDA	<0.00250 %
CBGA	<0.00250 %
CBG	0.115 %
CBD	0.884 %
THCV	<0.00250 %
CBN	<0.00250 %
Delta 9-THC	<0.00250 %
Delta 8-THC	<0.00500 %
THCA	<0.00250 %
CBC	<0.00250 %
THCVA	<0.00250 %
CBNA	<0.00250 %
CBCA	<0.00250 %
CBL	<0.00250 %
Total Cannabinoids	1.00 %
Total THC (THC + (THCA x 0.877))	<0.00250 %
Total CBD (CBD + (CBDA x 0.877))	0.884 %

#### Aerobic Plate Count \*

Aerobic Plate Count	<100 CFU/g
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#### E. coli \*

Escherichia Coli	Absent /25 g
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#### Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) \*

Enterobacterial Count	<10 MPN/g
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#### Pseudomonas aeruginosa USP \*

Pseudomonas Aeruginosa	Absent /1 g
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#### Salmonella USP \*

Salmonella	Absent /25 g
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#### Staphylococcus \*

Staphylococcus Aureus	Absent /25 g
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#### Analysis

#### Result

##### Yeast and Mold Count \*

Combined Yeast and Mold Count <100 CFU/g

##### Preparatory Testing of Nutritional and Dietary Supplements \*

Staphylococcus Suitability Result PASS

E. coli Suitability Result PASS

Salmonella Suitability Result PASS

Aerobic Plate Suitability Result Pass

Yeast Suitability Pass

Mould Suitability Pass

Bile-Tolerant Gram-Neg Bacteria Suitability Result Pass

##### Suitability of Test Method \*

Pseudomonas Suitability Result PASS

##### Elements by ICP Mass Spectrometry

Arsenic <10.0 ppb

Cadmium <5.00 ppb

Lead <5.00 ppb

Mercury <5.00 ppb

##### Coliform MPN \*

Coliform <3 MPN/g

#### Analysis

#### Limit

#### Result

#### Pass/Fail

##### Mycotoxins in Raw Materials

Aflatoxin B1 <0.300 ppb

Aflatoxin B2 <0.300 ppb

Aflatoxin G1 <0.300 ppb

Aflatoxin G2 <0.300 ppb

Aflatoxin M1 <0.300 ppb

Aflatoxin M2 <0.300 ppb

Deoxynivalenol <56.0 ppb

T-2 Toxin <5.60 ppb

HT-2 Toxin <56.0 ppb

Fumonisin B1 <14.3 ppb

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Analysis	Limit	Result	Pass/Fail
<b>Mycotoxins in Raw Materials</b>			
Fumonisin B2		<14.0 ppb	
Ochratoxin A		<1.00 ppb	
Zearalenone		<16.7 ppb	
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices</b>			
<b>Category I Residual Solvent or Processing Chemical</b>			
1,2-Dichloroethane	1.0 ppm	<1.0 ppm	Pass
Benzene	1.0 ppm	<1.0 ppm	Pass
Chloroform	1.0 ppm	<1.0 ppm	Pass
Ethylene Oxide	25.0 ppm	<25.0 ppm	Pass
Methylene Chloride	1.0 ppm	<1.0 ppm	Pass
Trichloroethylene	1.0 ppm	<1.0 ppm	Pass
The BCC limit of 1 ppm for Ethylene Oxide is not achieved by this method. Reporting limit of 25 ppm is the limit recommended by the AOAC CASP.			
<b>Category II Residual Solvent or Processing Chemical</b>			
Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass
Acetonitrile	410 ppm	<200 ppm	Pass
Ethanol	5000 ppm	<1000 ppm	Pass
Ethyl Acetate	5000 ppm	<500 ppm	Pass
Ethyl Ether	5000 ppm	<500 ppm	Pass
Methanol	3000 ppm	<500 ppm	Pass
Butane	5000 ppm	<500 ppm	Pass
Heptane	5000 ppm	<50.0 ppm	Pass
Hexane	290 ppm	<30.0 ppm	Pass
Pentane	5000 ppm	<25.0 ppm	Pass
Propane	5000 ppm	<1000 ppm	Pass
Toluene	890 ppm	<90.0 ppm	Pass
Xylenes (ortho-, meta-, para-)	2170 ppm	<160 ppm	Pass

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Analysis	Limit	Result	Pass/Fail
<b>BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices</b>			
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.		-	
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Abamectin		<0.30 mg/kg	
Acephate		<0.10 mg/kg	
Acetamiprid		<0.10 mg/kg	
Acetochlor		<0.10 mg/kg	
Acibenzolar-S-methyl		<0.10 mg/kg	
Aclonifen		<0.10 mg/kg	
Acrinathrin		<0.10 mg/kg	
Alachlor		<0.10 mg/kg	
Aldicarb		<0.10 mg/kg	
Aldicarb sulfone (Aldoxycarb)		<0.10 mg/kg	
Aldicarb sulfoxide		<0.10 mg/kg	
Aldrin		<0.10 mg/kg	
Allethrin		<0.10 mg/kg	
Ametryn		<0.10 mg/kg	
Aminocarb		<0.10 mg/kg	
Amitraz metabolite DMF		<0.10 mg/kg	
Anilofos		<0.10 mg/kg	
Atrazine		<0.10 mg/kg	
Azaconazole		<0.10 mg/kg	
Azamethiphos		<0.10 mg/kg	
Azinphos-ethyl		<0.10 mg/kg	
Azinphos-methyl		<0.10 mg/kg	
Azoxystrobin		<0.10 mg/kg	
Beflubutamid		<0.10 mg/kg	
Benalaxyl		<0.10 mg/kg	
Bendiocarb		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Benfluralin		<0.10 mg/kg	
Benoxacor		<0.10 mg/kg	
Benzoximate		<0.10 mg/kg	
Bifenazate		<0.10 mg/kg	
Bifenox		<0.10 mg/kg	
Bifenthrin		<0.10 mg/kg	
Bitertanol		<0.10 mg/kg	
Bixafen		<0.10 mg/kg	
Boscalid		<0.10 mg/kg	
Bromacil		<0.10 mg/kg	
Bromophos-ethyl		<0.10 mg/kg	
Bromophos-methyl		<0.10 mg/kg	
Bromopropylate		<0.10 mg/kg	
Bromuconazole (2 diastereoisomers)		<0.10 mg/kg	
Bupirimate		<0.10 mg/kg	
Buprofezin		<0.10 mg/kg	
Butachlor		<0.10 mg/kg	
Butafenacil		<0.10 mg/kg	
Butocarboxim		<0.10 mg/kg	
Butocarboxim sulfoxide		<0.10 mg/kg	
Butoxycarboxim		<0.10 mg/kg	
Butylate		<0.10 mg/kg	
Cadusafos		<0.10 mg/kg	
Carbaryl		<0.10 mg/kg	
Carbendazim		<0.20 mg/kg	
Carbetamide		<0.10 mg/kg	
Carbofuran		<0.10 mg/kg	
Carbofuran-3-hydroxy-		<0.10 mg/kg	
Carbophenothion		<0.10 mg/kg	
Carboxin		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Carfentrazone-ethyl		<0.10 mg/kg	
Chlorantraniliprole		<0.10 mg/kg	
Chlorbromuron		<0.10 mg/kg	
Chlordane, cis-		<0.10 mg/kg	
Chlordane, trans-		<0.10 mg/kg	
Chlorfenapyr		<0.10 mg/kg	
Chlorfenvinphos (E- and Z-isomers)		<0.10 mg/kg	
Chloridazon (Pyrazon)		<0.10 mg/kg	
Chlorobenzilate		<0.10 mg/kg	
Chlorotoluron (Chlortoluron)		<0.10 mg/kg	
Chloroxuron		<0.10 mg/kg	
Chlorpropham (CIPC)		<0.10 mg/kg	
Chlorpyrifos		<0.10 mg/kg	
Chlorpyrifos-methyl		<0.10 mg/kg	
Clodinafop-propargyl		<0.20 mg/kg	
Clofentezine		<0.10 mg/kg	
Clomazone		<0.10 mg/kg	
Cloquintocet-mexyl		<0.10 mg/kg	
Clothianidin		<0.10 mg/kg	
Coumaphos		<0.10 mg/kg	
Cyanazine		<0.10 mg/kg	
Cyanofenphos		<0.10 mg/kg	
Cyazofamid		<0.10 mg/kg	
Cycloate		<0.10 mg/kg	
Cycluron		<0.10 mg/kg	
Cyflufenamid		<0.10 mg/kg	
Cyfluthrin		<0.10 mg/kg	
Cymiazole		<0.10 mg/kg	
Cymoxanil		<0.10 mg/kg	
Cypermethrin		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Cyproconazole (2 diastereoisomers)		<0.10 mg/kg	
Cyprodinil		<0.10 mg/kg	
DDD, o,p'-		<0.10 mg/kg	
DDD, p,p'-		<0.10 mg/kg	
DDE, o,p'-		<0.10 mg/kg	
DDE, p,p'-		<0.10 mg/kg	
DDT, o,p'-		<0.10 mg/kg	
DDT, p,p'-		<0.10 mg/kg	
DEET (Diethyltoluamide)		<0.10 mg/kg	
DMST (Dimethylaminosulfotoluidide)		<0.10 mg/kg	
Dacthal (Chlorthal-dimethyl, DCPA)		<0.10 mg/kg	
Deltamethrin		<0.10 mg/kg	
Demeton-O		<0.10 mg/kg	
Demeton-S		<0.10 mg/kg	
Demeton-S-methyl		<0.10 mg/kg	
Demeton-S-methyl sulfone		<0.10 mg/kg	
Desmedipham		<0.10 mg/kg	
Dialifos (Dialifor)		<0.10 mg/kg	
Diazinon		<0.10 mg/kg	
Diazinon oxon		<0.10 mg/kg	
Dichlobenil		<0.10 mg/kg	
Dichlofenthion		<0.10 mg/kg	
Dichlofluanid		<0.10 mg/kg	
Dichlorvos		<0.10 mg/kg	
Diclobutrazol		<0.10 mg/kg	
Diclocymet (2 diastereoisomers)		<0.10 mg/kg	
Dicloran (DCNA)		<0.10 mg/kg	
Dicrotophos		<0.10 mg/kg	
Dieldrin		<0.10 mg/kg	
Diethofencarb		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Difenoconazole (cis- and trans-)		<0.10 mg/kg	
Diflubenzuron		<0.10 mg/kg	
Diflufenican		<0.10 mg/kg	
Dimethachlor		<0.10 mg/kg	
Dimethametryn		<0.10 mg/kg	
Dimethenamid		<0.10 mg/kg	
Dimethoate		<0.10 mg/kg	
Dimethomorph (E- and Z-isomers)		<0.10 mg/kg	
Dimetilan		<0.10 mg/kg	
Dimoxystrobin		<0.10 mg/kg	
Diniconazole		<0.10 mg/kg	
Dinitramine		<0.20 mg/kg	
Dinotefuran		<0.10 mg/kg	
Dioxacarb		<0.10 mg/kg	
Diphenamid		<0.10 mg/kg	
Diphenylamine		<0.10 mg/kg	
Dipropetryn		<0.10 mg/kg	
Disulfoton		<0.10 mg/kg	
Disulfoton sulfone		<0.10 mg/kg	
Disulfoton sulfoxide		<0.10 mg/kg	
EPN		<0.10 mg/kg	
Endosulfan I (alpha-isomer)		<0.20 mg/kg	
Endosulfan II (beta-isomer)		<0.20 mg/kg	
Endosulfan sulfate		<0.20 mg/kg	
Epoxiconazole		<0.10 mg/kg	
Ethaboxam		<0.10 mg/kg	
Ethalfuralin		<0.10 mg/kg	
Ethidimuron (Sulfadiazole)		<0.10 mg/kg	
Ethiofencarb		<0.10 mg/kg	
Ethiofencarb sulfone		<0.10 mg/kg	

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<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Ethiofencarb sulfoxide		<0.10 mg/kg	
Ethion		<0.10 mg/kg	
Ethiprole		<0.10 mg/kg	
Ethirimol		<0.10 mg/kg	
Ethofumesate		<0.20 mg/kg	
Ethoprophos (Ethoprop)		<0.10 mg/kg	
Etofenprox		<0.10 mg/kg	
Etoxazole		<0.10 mg/kg	
Etrimfos		<0.10 mg/kg	
Famoxadone		<0.10 mg/kg	
Fenamidone		<0.10 mg/kg	
Fenamiphos		<0.10 mg/kg	
Fenamiphos sulfone		<0.10 mg/kg	
Fenamiphos sulfoxide		<0.10 mg/kg	
Fenarimol		<0.10 mg/kg	
Fenazaquin		<0.10 mg/kg	
Fenbuconazole		<0.10 mg/kg	
Fenchlorphos (Ronnel)		<0.10 mg/kg	
Fenchlorphos oxon		<0.10 mg/kg	
Fenitrothion		<0.10 mg/kg	
Fenobucarb		<0.10 mg/kg	
Fenoxanil (sum of isomers)		<0.10 mg/kg	
Fenoxycarb		<0.10 mg/kg	
Fenpropathrin		<0.10 mg/kg	
Fenpyroximate		<0.10 mg/kg	
Fensulfothion		<0.10 mg/kg	
Fensulfothion oxon		<0.10 mg/kg	
Fensulfothion oxon sulfone		<0.10 mg/kg	
Fensulfothion sulfone		<0.10 mg/kg	
Fenthion		<0.10 mg/kg	

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<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Fenthion oxon		<0.10 mg/kg	
Fenthion oxon sulfone		<0.10 mg/kg	
Fenthion oxon sulfoxide		<0.10 mg/kg	
Fenthion sulfone		<0.10 mg/kg	
Fenthion sulfoxide		<0.10 mg/kg	
Fentrazamide		<0.10 mg/kg	
Fenuron		<0.10 mg/kg	
Fenvalerate/Esfenvalerate (sum of isomers)		<0.20 mg/kg	
Fipronil		<0.10 mg/kg	
Fipronil desulfinyl		<0.10 mg/kg	
Fipronil sulfone		<0.10 mg/kg	
Flonicamid		<0.10 mg/kg	
Fluazifop-butyl		<0.10 mg/kg	
Flucythrinate (sum of isomers)		<0.20 mg/kg	
Fludioxonil		<0.10 mg/kg	
Flufenacet		<0.20 mg/kg	
Flufenoxuron		<0.10 mg/kg	
Flumioxazin		<0.10 mg/kg	
Fluometuron		<0.10 mg/kg	
Fluopicolide		<0.10 mg/kg	
Fluopyram		<0.10 mg/kg	
Fluoxastrobin		<0.10 mg/kg	
Fluquinconazole		<0.10 mg/kg	
Fluridone		<0.10 mg/kg	
Flusilazole		<0.10 mg/kg	
Flutolanil		<0.10 mg/kg	
Flutriafol		<0.10 mg/kg	
Fluvalinate tau- (sum of isomers)		<0.20 mg/kg	
Fonofos		<0.10 mg/kg	
Forchlorfenuron		<0.10 mg/kg	

\* This analysis or component is not ISO accredited.

## Certificate of Analysis

### Fourth Power Labs

460 E. Swedesford Road  
Suite 2040  
Wayne PA 19087 United States

<b>Sample Name:</b>	<b>Fourth Power 300mg Tincture</b>	<b>Eurofins Sample:</b>	<b>10552348</b>
<b>Project ID</b>	FOURTH_POWER-20210504-0015	<b>Receipt Date</b>	05-May-2021
<b>PO Number</b>	CVD	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	T300001	<b>Login Date</b>	04-May-2021
<b>Sample Serving Size</b>	1 mL	<b>Date Started</b>	07-May-2021
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	3777-1553EF95

Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Formothion		<0.10 mg/kg	
Fosthiazate (sum of isomers)		<0.10 mg/kg	
Fuberidazole		<0.10 mg/kg	
Furalaxyl		<0.10 mg/kg	
Furathiocarb		<0.10 mg/kg	
Griseofulvin		<0.10 mg/kg	
HCH, alpha- (alpha-BHC)		<0.10 mg/kg	
HCH, beta- (beta-BHC)		<0.10 mg/kg	
HCH, delta- (delta-BHC)		<0.10 mg/kg	
Halofenozide		<0.10 mg/kg	
Haloxypop-methyl		<0.10 mg/kg	
Heptachlor		<0.10 mg/kg	
Heptachlor endo-epoxide		<0.10 mg/kg	
Heptachlor exo-epoxide		<0.10 mg/kg	
Hexachlorobenzene (HCB)		<0.10 mg/kg	
Hexaconazole		<0.10 mg/kg	
Hexaflumuron		<0.10 mg/kg	
Hexazinone		<0.10 mg/kg	
Hexythiazox		<0.10 mg/kg	
Hydroprene, S- (sum of isomers)		<0.10 mg/kg	
Imazalil		<0.10 mg/kg	
Imazamethabenz-methyl		<0.10 mg/kg	
Imidacloprid		<0.10 mg/kg	
Indoxacarb		<0.10 mg/kg	
Ipconazole		<0.10 mg/kg	
Iprovalicarb		<0.10 mg/kg	
Isocarbamid		<0.10 mg/kg	
Isocarbophos		<0.10 mg/kg	
Isofenphos		<0.10 mg/kg	
Isofenphos-methyl		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Isoprocarb		<0.10 mg/kg	
Isoprothiolane		<0.10 mg/kg	
Isoproturon		<0.10 mg/kg	
Isoxaben		<0.10 mg/kg	
Isxadifen-ethyl		<0.10 mg/kg	
Isoxaflutole		<0.10 mg/kg	
Isoxathion		<0.10 mg/kg	
Kresoxim-methyl		<0.10 mg/kg	
Lactofen		<0.10 mg/kg	
Lenacil		<0.10 mg/kg	
Lindane (gamma-HCH, gamma-BHC)		<0.10 mg/kg	
Linuron		<0.10 mg/kg	
Lufenuron		<0.10 mg/kg	
MGK 264 (sum of isomers)		<0.10 mg/kg	
Malaoxon		<0.10 mg/kg	
Malathion		<0.10 mg/kg	
Mandipropamid		<0.10 mg/kg	
Mecarbam		<0.10 mg/kg	
Mepanipyrim		<0.10 mg/kg	
Mepanipyrim-2-hydroxypropyl		<0.10 mg/kg	
Mephosfolan		<0.10 mg/kg	
Metaflumizone		<0.10 mg/kg	
Metalaxyl		<0.10 mg/kg	
Metamitron		<0.10 mg/kg	
Metazachlor		<0.10 mg/kg	
Metconazole		<0.10 mg/kg	
Methabenzthiazuron		<0.10 mg/kg	
Methacrifos		<0.10 mg/kg	
Methamidophos		<0.10 mg/kg	
Methidathion		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Methiocarb		<0.10 mg/kg	
Methiocarb sulfone		<0.10 mg/kg	
Methiocarb sulfoxide		<0.10 mg/kg	
Methomyl		<0.10 mg/kg	
Methoprotryne		<0.10 mg/kg	
Methoxychlor		<0.10 mg/kg	
Methoxyfenozide		<0.10 mg/kg	
Metobromuron		<0.10 mg/kg	
Metolachlor		<0.10 mg/kg	
Metolcarb		<0.10 mg/kg	
Metoxuron		<0.10 mg/kg	
Metrafenone		<0.10 mg/kg	
Metribuzin		<0.10 mg/kg	
Mevinphos (E- and Z-isomers)		<0.10 mg/kg	
Mexacarbate		<0.10 mg/kg	
Mirex		<0.10 mg/kg	
Molinate		<0.10 mg/kg	
Monocrotophos		<0.10 mg/kg	
Monolinuron		<0.10 mg/kg	
Myclobutanil		<0.10 mg/kg	
Naled (Dibrom)		<0.10 mg/kg	
Napropamide		<0.10 mg/kg	
Neburon		<0.10 mg/kg	
Nitenpyram		<0.10 mg/kg	
Nitrofen		<0.10 mg/kg	
Nonachlor, cis-		<0.10 mg/kg	
Nonachlor, trans-		<0.10 mg/kg	
Norflurazon		<0.10 mg/kg	
Norflurazon-desmethyl		<0.10 mg/kg	
Novaluron		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Nuarimol		<0.10 mg/kg	
Ofurace		<0.10 mg/kg	
Omethoate		<0.10 mg/kg	
Oxadiazon		<0.10 mg/kg	
Oxadixyl		<0.10 mg/kg	
Oxamyl		<0.10 mg/kg	
Oxamyl oxime		<0.10 mg/kg	
Oxycarboxin		<0.10 mg/kg	
Oxychlorane		<0.10 mg/kg	
Oxydemeton-methyl		<0.10 mg/kg	
Oxyfluorfen		<0.10 mg/kg	
Paclobutrazol		<0.10 mg/kg	
Paraoxon		<0.10 mg/kg	
Paraoxon-methyl		<0.10 mg/kg	
Parathion		<0.10 mg/kg	
Parathion-methyl		<0.10 mg/kg	
Penconazole		<0.10 mg/kg	
Pencycuron		<0.10 mg/kg	
Pendimethalin		<0.10 mg/kg	
Pentachloroaniline		<0.10 mg/kg	
Pentachloroanisole		<0.10 mg/kg	
Pentachlorobenzene		<0.10 mg/kg	
Pentachlorobenzonitrile		<0.10 mg/kg	
Pentachlorothioanisole		<0.10 mg/kg	
Permethrin (sum of isomers)		<0.10 mg/kg	
Perthane (Ethylan)		<0.10 mg/kg	
Phenmedipham		<0.10 mg/kg	
Phenthoate		<0.10 mg/kg	
Phorate		<0.10 mg/kg	
Phorate sulfone		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Phorate sulfoxide		<0.10 mg/kg	
Phosalone		<0.10 mg/kg	
Phosmet		<0.10 mg/kg	
Phosmet oxon		<0.10 mg/kg	
Phosphamidon (E- and Z-isomers)		<0.10 mg/kg	
Phoxim		<0.10 mg/kg	
Picolinafen		<0.10 mg/kg	
Picoxystrobin		<0.10 mg/kg	
Piperonyl butoxide		<0.10 mg/kg	
Piperophos		<0.10 mg/kg	
Pirimicarb		<0.10 mg/kg	
Pirimicarb-desmethyl		<0.10 mg/kg	
Pirimiphos-ethyl		<0.10 mg/kg	
Pirimiphos-methyl		<0.10 mg/kg	
Pirimiphos-methyl, N-desethyl-		<0.10 mg/kg	
Prallethrin		<0.10 mg/kg	
Pretilachlor		<0.10 mg/kg	
Prochloraz		<0.10 mg/kg	
Procymidone		<0.10 mg/kg	
Prodiamine		<0.10 mg/kg	
Profenofos		<0.10 mg/kg	
Profluralin		<0.10 mg/kg	
Promecarb		<0.10 mg/kg	
Prometon		<0.10 mg/kg	
Prometryn		<0.10 mg/kg	
Propanil		<0.10 mg/kg	
Propaquizafop		<0.10 mg/kg	
Propargite		<0.10 mg/kg	
Propetamphos		<0.10 mg/kg	
Propham		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Propiconazole (sum of isomers)		<0.10 mg/kg	
Propoxur		<0.10 mg/kg	
Propyzamide (Pronamide)		<0.10 mg/kg	
Prosulfocarb		<0.10 mg/kg	
Prothioconazole-desthio		<0.10 mg/kg	
Prothiofos		<0.10 mg/kg	
Pymetrozine		<0.10 mg/kg	
Pyracarbolid		<0.10 mg/kg	
Pyraclostrobin		<0.10 mg/kg	
Pyraflufen-ethyl		<0.10 mg/kg	
Pyrazophos		<0.10 mg/kg	
Pyrethrum (total)		<1.0 mg/kg	
Pyridaben		<0.10 mg/kg	
Pyridaphenthion		<0.10 mg/kg	
Pyrifenox (E- and Z-isomers)		<0.10 mg/kg	
Primethanil		<0.10 mg/kg	
Pyriproxyfen		<0.10 mg/kg	
Pyroquilon		<0.10 mg/kg	
Quinalphos		<0.10 mg/kg	
Quinoclamine		<0.10 mg/kg	
Quinoxifen		<0.10 mg/kg	
Quintozene		<0.10 mg/kg	
Quizalofop-ethyl		<0.10 mg/kg	
Rotenone		<0.10 mg/kg	
S421		<0.10 mg/kg	
Schradan (Octamethylpyrophosphoramidate)		<0.10 mg/kg	
Secbumeton		<0.10 mg/kg	
Siduron		<0.10 mg/kg	
Silthiofam		<0.10 mg/kg	
Simazine		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Simeconazole		<0.10 mg/kg	
Simetryn		<0.10 mg/kg	
Spinetoram (spinosyns J and L)		<0.10 mg/kg	
Spinosad (spinosyns A and D)		<0.10 mg/kg	
Spirodiclofen		<0.10 mg/kg	
Spiromesifen		<0.10 mg/kg	
Spirotetramat		<0.10 mg/kg	
Spiroxamine (2 diastereoisomers)		<0.10 mg/kg	
Sulfallate		<0.10 mg/kg	
Sulprofos		<0.10 mg/kg	
Tebuconazole		<0.10 mg/kg	
Tebufenozide		<0.10 mg/kg	
Tebufenpyrad		<0.10 mg/kg	
Tebupirimfos		<0.10 mg/kg	
Tebuthiuron		<0.10 mg/kg	
Tecnazene		<0.10 mg/kg	
Teflubenzuron		<0.20 mg/kg	
Tefluthrin		<0.10 mg/kg	
Temephos		<0.10 mg/kg	
Terbacil		<0.10 mg/kg	
Terbufos		<0.10 mg/kg	
Terbufos sulfone		<0.10 mg/kg	
Terbufos sulfoxide		<0.10 mg/kg	
Terbumeton		<0.10 mg/kg	
Terbuthylazine		<0.10 mg/kg	
Terbutryn		<0.10 mg/kg	
Tetrachloroaniline, 2,3,5,6-		<0.10 mg/kg	
Tetrachloroanisole, 2,3,4,5-		<0.10 mg/kg	
Tetrachlorvinphos		<0.10 mg/kg	
Tetraconazole		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Tetradifon		<0.10 mg/kg	
Thiabendazole		<0.10 mg/kg	
Thiabendazole-5-hydroxy-		<0.10 mg/kg	
Thiacloprid		<0.10 mg/kg	
Thiamethoxam		<0.10 mg/kg	
Thiazopyr		<0.10 mg/kg	
Thiobencarb (Benthiocarb)		<0.10 mg/kg	
Thiodicarb		<0.10 mg/kg	
Thiofanox		<0.10 mg/kg	
Thiofanox sulfone		<0.10 mg/kg	
Thiofanox sulfoxide		<0.10 mg/kg	
Thionazin (Zinophos)		<0.10 mg/kg	
Thiophanate-methyl		<0.10 mg/kg	
Tolclofos-methyl		<0.10 mg/kg	
Tolfenpyrad		<0.10 mg/kg	
Tolyfluanid		<0.10 mg/kg	
Triadimefon		<0.10 mg/kg	
Triadimenol		<0.10 mg/kg	
Triazophos		<0.10 mg/kg	
Tribufos (DEF)		<0.10 mg/kg	
Trichlorfon (Metrifonate)		<0.10 mg/kg	
Trichloroanisole, 2,4,6-		<0.10 mg/kg	
Tricyclazole		<0.10 mg/kg	
Trietazine		<0.10 mg/kg	
Trifloxystrobin		<0.10 mg/kg	
Triflumizole		<0.10 mg/kg	
Triflumuron		<0.10 mg/kg	
Trifluralin		<0.10 mg/kg	
Triforine		<0.20 mg/kg	
Trimethacarb		<0.10 mg/kg	

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - 500+ compounds</b>			
Triticonazole		<0.10 mg/kg	
Uniconazole		<0.10 mg/kg	
Vamidothion		<0.10 mg/kg	
Vinclozolin		<0.10 mg/kg	
Zoxamide		<0.10 mg/kg	
Acequinocyl		<1.0 mg/kg	
Captan (as THPI)		<0.20 mg/kg	
Fluxapyroxad		<0.10 mg/kg	

Method References	Testing Location
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**Aerobic Plate Count (USPC2021)**

**Eurofins Micro Lab - Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

**BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN\_SOL\_S)**

**Food Integrity Innovation-Madison**  
6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

**Coliform MPN (COLIMPN)**

**EML New Berlin**  
2345 S 170th St New Berlin, WI 53151 USA

Feng, P., Weagant, S. D., Grant, M. A., and Burkhardt, W., "Chapter 4 - Enumeration of *Escherichia coli* and the Coliform Bacteria," *Bacteriological Analytical Manual*, Eighth Ed., Revision A, U. S. Food and Drug Administration: Silver Spring, MD (1998), Revised Feb 2013. (modified).

\* This analysis or component is not ISO accredited.

## Certificate of Analysis

### Fourth Power Labs

460 E. Swedesford Road  
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#### Method References

#### Testing Location

##### E. coli (USPE2022)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

##### Elements by ICP Mass Spectrometry (ICP\_MS\_S)

##### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).

Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

##### Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) (USPN2021)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

##### Industrial Hemp Cannabinoid Profile (IHCBD\_S)

##### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

## Certificate of Analysis

### Fourth Power Labs

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#### Method References

#### Testing Location

#### Multi-Residue Analysis for hemp products - 500+ compounds (PEST\_HEMP)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis, AOAC Official Method 2007.01*, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

*CEN Standard Method EN 15662*: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

#### Mycotoxins in Raw Materials (MYCO\_REG\_S)

#### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," *Analytical and BioAnalytical Chemistry*, 402:2675-2686 (2012).

#### Preparatory Testing of Nutritional and Dietary Supplements (USPA\_PT)

#### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

#### Preparatory Testing of Nutritional and Dietary Supplements (USPC\_PT)

#### Eurofins Micro Lab - Madison

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#### Preparatory Testing of Nutritional and Dietary Supplements (USPE\_PT)

#### Eurofins Micro Lab - Madison

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#### Preparatory Testing of Nutritional and Dietary Supplements (USPM\_PT)

#### Eurofins Micro Lab - Madison

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#### Preparatory Testing of Nutritional and Dietary Supplements (USPN\_PT)

#### Eurofins Micro Lab - Madison

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#### Preparatory Testing of Nutritional and Dietary Supplements (USPS\_PT)

#### Eurofins Micro Lab - Madison

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#### Pseudomonas aeruginosa USP (USPU\_62)

#### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current Revision, Chapter 62.

To satisfy the requirements of the USP, the Suitability of Test Method must be completed on each matrix.

\*\*Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

## Certificate of Analysis

### Fourth Power Labs

460 E. Swedesford Road  
Suite 2040  
Wayne PA 19087 United States

#### Method References

#### Testing Location

##### Salmonella USP (USPS2022)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

##### Staphylococcus (USPA2022)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

##### Suitability of Test Method (USPU\_SOT)

##### Eurofins Micro Lab - Madison

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##### Yeast and Mold Count (USPM2021)

##### Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

## Certificate of Analysis

### Fourth Power Labs

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Wayne PA 19087 United States

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
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Madison WI 53704  
800-675-8375

Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison



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