

Certificate of Analysis

HempScience LLC

1201 N. Main Street
Viroqua Wisconsin 54665 United States

Sample Name:	1000mg Full Spectrum Tincture	Eurofins Sample:	9700662
Project ID	HEMPSCIENC-20200722-0001	Receipt Date	23-Jul-2020
PO Number	OTHER	Receipt Condition	Ambient temperature
Lot Number	T-14020	Login Date	22-Jul-2020
Sample Serving Size		Date Started	27-Jul-2020
		Sampled	Sample results apply as received
		Online Order	16773-13DAE0E0

Analysis	Result
Terpenes	
(-)-alpha-Bisabolol	310 ppm
Camphene	<10 ppm
(1S)-(+)-3-Carene	<10 ppm
beta-Caryophyllene	300 ppm
p-Cymene	<10 ppm
Eucalyptol	<10 ppm
alpha-Humulene (alpha-Caryophyllene)	97 ppm
(-)-Isopulegol	<10 ppm
(R)-(+)-Limonene	<10 ppm
Linalool	10 ppm
beta-Myrcene	<10 ppm
(E)-b-Ocimene	<6.0 ppm
(Z)-b-Ocimene	<3.0 ppm
alpha-Pinene	<10 ppm
beta-Pinene	<10 ppm
alpha-Terpinene	<10 ppm
gamma-Terpinene	<10 ppm
Terpinolene	<10 ppm
Industrial Hemp Cannabinoid Profile	
CBDVA	0.00929 %
CBDV	0.00948 %
CBDA	1.79 %
CBGA	0.0126 %
CBG	0.0225 %
CBD	1.87 %
THCV	<0.00250 %
CBN	0.00414 %
Delta 9-THC	0.0954 %
Delta 8-THC	<0.00500 %
THCA	0.0298 %
CBC	0.0964 %
Total Cannabinoids	3.94 %

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Analysis	Result	
Industrial Hemp Cannabinoid Profile		
Total THC (THC + (THCA x 0.877))	0.122 %	
Total CBD (CBD + (CBDA x 0.877))	3.44 %	
Aerobic Plate Count *		
Aerobic Plate Count	<100 CFU/mL	
E. coli *		
Escherichia Coli	Absent /10 mL	
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *		
Enterobacterial Count	<10 MPN/mL	
Salmonella USP *		
Salmonella	Absent /10 mL	
Yeast and Mold Count *		
Yeast Count	<100 CFU/mL	
Mold Count	<100 CFU/mL	
Preparatory Testing of Nutritional and Dietary Supplements *		
Salmonella Suitability Result	Pass**	
Bile-Tolerant Gram-Neg Bacteria Suitability Result	Pass**	
E. coli Suitability Result	Pass**	
Yeast and Mold Suitability	Neutralization of the product is not applicable, due to the microbicidal activity of the product, it is not likely to contain specified microorganism	
Preparatory Testing of Nutritional and Dietary Supplements - Retest *		
Aerobic Plate Suitability Result	Pass**	
Elements by ICP Mass Spectrometry		
Arsenic	<10.0 ppb	
Cadmium	11.5 ppb	
Lead	235 ppb	
Mercury	<5.00 ppb	
Analysis	Limit	Result

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Abamectin		<0.10 mg/kg
Acephate		<0.050 mg/kg
Acetamiprid		<0.050 mg/kg
Acetochlor		<0.050 mg/kg
Acibenzolar-S-methyl		<0.050 mg/kg
Aclonifen		<0.050 mg/kg
Acrinathrin		<0.10 mg/kg
Alachlor		<0.050 mg/kg
Aldicarb		<0.050 mg/kg
Aldicarb sulfone (Aldoxycarb)		<0.050 mg/kg
Aldicarb sulfoxide		<0.050 mg/kg
Aldrin		<0.050 mg/kg
Allethrin		<0.050 mg/kg
Ametryn		<0.050 mg/kg
Aminocarb		<0.050 mg/kg
Amitraz metabolite DMF		<0.050 mg/kg
Anilofos		<0.050 mg/kg
Atrazine		<0.050 mg/kg
Azaconazole		<0.050 mg/kg
Azamethiphos		<0.050 mg/kg
Azinphos-ethyl		<0.050 mg/kg
Azinphos-methyl		<0.050 mg/kg
Azoxystrobin		<0.050 mg/kg
Beflubutamid		<0.050 mg/kg
Benalaxyl		<0.050 mg/kg
Bendiocarb		<0.050 mg/kg
Benfluralin		<0.050 mg/kg
Benoxacor		<0.050 mg/kg
Benzoximate		<0.050 mg/kg
Bifenazate		<0.050 mg/kg

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Analysis	Limit	Result
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Multi-Residue Analysis for hemp products - 500+ compounds

Bifenox	<0.050 mg/kg
Bifenthrin	<0.050 mg/kg
Bitertanol	<0.050 mg/kg
Bixafen	<0.050 mg/kg
Boscalid	<0.050 mg/kg
Bromacil	<0.050 mg/kg
Bromophos-ethyl	<0.050 mg/kg
Bromophos-methyl	<0.050 mg/kg
Bromopropylate	<0.050 mg/kg
Bromuconazole (2 diastereoisomers)	<0.050 mg/kg
Bupirimate	<0.050 mg/kg
Buprofezin	<0.050 mg/kg
Butachlor	<0.050 mg/kg
Butafenacil	<0.050 mg/kg
Butocarboxim	non-analyzable
Butocarboxim sulfoxide	<0.050 mg/kg
Butoxycarboxim	<0.050 mg/kg
Butylate	<0.050 mg/kg
Cadusafos	<0.050 mg/kg
Carbaryl	<0.050 mg/kg
Carbendazim	<0.050 mg/kg
Carbetamide	<0.050 mg/kg
Carbofuran	<0.050 mg/kg
Carbofuran-3-hydroxy-	<0.050 mg/kg
Carbophenothion	<0.050 mg/kg
Carboxin	<0.050 mg/kg
Carfentrazone-ethyl	<0.050 mg/kg
Chlorantraniliprole	<0.050 mg/kg
Chlorbromuron	<0.050 mg/kg
Chlordane, cis-	<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Chlordane, trans-		<0.050 mg/kg
Chlorfenapyr		<0.050 mg/kg
Chlorfenvinphos (E- and Z-isomers)		<0.050 mg/kg
Chloridazon (Pyrazon)		<0.050 mg/kg
Chlorobenzilate		<0.050 mg/kg
Chlorotoluron (Chlortoluron)		<0.050 mg/kg
Chloroxuron		<0.050 mg/kg
Chlorpropham (CIPC)		<0.050 mg/kg
Chlorpyrifos		<0.050 mg/kg
Chlorpyrifos-methyl		<0.050 mg/kg
Clodinafop-propargyl		<0.050 mg/kg
Clofentezine		<0.050 mg/kg
Clomazone		<0.050 mg/kg
Cloquintocet-mexyl		<0.050 mg/kg
Clothianidin		<0.050 mg/kg
Coumaphos		<0.050 mg/kg
Cyanazine		<0.050 mg/kg
Cyanofenphos		<0.050 mg/kg
Cyazofamid		<0.050 mg/kg
Cycloate		<0.050 mg/kg
Cycluron		<0.050 mg/kg
Cyflufenamid		<0.050 mg/kg
Cyfluthrin		<0.050 mg/kg
Cymiazole		<0.050 mg/kg
Cymoxanil		<0.050 mg/kg
Cypermethrin		<0.050 mg/kg
Cyproconazole (2 diastereoisomers)		<0.050 mg/kg
Cyprodinil		<0.050 mg/kg
DDD, o,p'-		<0.050 mg/kg
DDD, p,p'-		<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
DDE, o,p'-		<0.050 mg/kg
DDE, p,p'-		<0.050 mg/kg
DDT, o,p'-		<0.050 mg/kg
DDT, p,p'-		<0.050 mg/kg
DEET (Diethyltoluamide)		<0.050 mg/kg
DMST (Dimethylaminosulfotoluidide)		<0.050 mg/kg
Dacthal (Chlorthal-dimethyl, DCPA)		<0.050 mg/kg
Deltamethrin		<0.050 mg/kg
Demeton-O		<0.050 mg/kg
Demeton-S		<0.050 mg/kg
Demeton-S-methyl		<0.050 mg/kg
Demeton-S-methyl sulfone		<0.050 mg/kg
Desmedipham		<0.050 mg/kg
Dialifos (Dialifor)		<0.050 mg/kg
Diazinon		<0.050 mg/kg
Diazinon oxon		<0.050 mg/kg
Dichlobenil		<0.050 mg/kg
Dichlofenthion		<0.050 mg/kg
Dichlofluanid		<0.050 mg/kg
Dichlorvos		<0.050 mg/kg
Diclobutrazol		<0.050 mg/kg
Diclocymet (2 diastereoisomers)		<0.050 mg/kg
Dicloran (DCNA)		<0.050 mg/kg
Dicrotophos		<0.050 mg/kg
Dieldrin		<0.050 mg/kg
Diethofencarb		<0.050 mg/kg
Difenoconazole (cis- and trans-)		<0.050 mg/kg
Diflubenzuron		<0.050 mg/kg
Diffufenican		<0.050 mg/kg
Dimethachlor		<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Dimethametryn		<0.050 mg/kg
Dimethenamid		<0.050 mg/kg
Dimethoate		<0.050 mg/kg
Dimethomorph (E- and Z-isomers)		<0.050 mg/kg
Dimetilan		<0.050 mg/kg
Dimoxystrobin		<0.050 mg/kg
Diniconazole		<0.050 mg/kg
Dinitramine		<0.050 mg/kg
Dinotefuran		<0.050 mg/kg
Dioxacarb		<0.050 mg/kg
Diphenamid		<0.050 mg/kg
Diphenylamine		<0.050 mg/kg
Dipropetryn		<0.050 mg/kg
Disulfoton		<0.050 mg/kg
Disulfoton sulfone		<0.050 mg/kg
Disulfoton sulfoxide		<0.050 mg/kg
EPN		<0.050 mg/kg
Endosulfan I (alpha-isomer)		<0.050 mg/kg
Endosulfan II (beta-isomer)		<0.050 mg/kg
Endosulfan sulfate		<0.050 mg/kg
Epoxiconazole		<0.050 mg/kg
Ethaboxam		<0.050 mg/kg
Ethalfuralin		<0.050 mg/kg
Ethidimuron (Sulfadiazole)		<0.050 mg/kg
Ethiofencarb		<0.050 mg/kg
Ethiofencarb sulfone		<0.050 mg/kg
Ethiofencarb sulfoxide		<0.050 mg/kg
Ethion		<0.050 mg/kg
Ethiprole		<0.050 mg/kg
Ethirimol		<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Ethofumesate		<0.050 mg/kg
Ethoprophos (Ethoprop)		<0.050 mg/kg
Etofenprox		<0.050 mg/kg
Etoxazole		<0.050 mg/kg
Etrimfos		<0.050 mg/kg
Famoxadone		<0.050 mg/kg
Fenamidone		<0.050 mg/kg
Fenamiphos		<0.050 mg/kg
Fenamiphos sulfone		<0.050 mg/kg
Fenamiphos sulfoxide		<0.050 mg/kg
Fenarimol		<0.050 mg/kg
Fenazaquin		<0.050 mg/kg
Fenbuconazole		<0.050 mg/kg
Fenchlorphos (Ronnel)		<0.050 mg/kg
Fenchlorphos oxon		<0.050 mg/kg
Fenitrothion		<0.050 mg/kg
Fenobucarb		<0.050 mg/kg
Fenoxanil (sum of isomers)		<0.050 mg/kg
Fenoxycarb		<0.050 mg/kg
Fenpropathrin		<0.050 mg/kg
Fenpyroximate		<0.050 mg/kg
Fensulfothion		<0.050 mg/kg
Fensulfothion oxon		<0.050 mg/kg
Fensulfothion oxon sulfone		<0.050 mg/kg
Fensulfothion sulfone		<0.050 mg/kg
Fenthion		<0.050 mg/kg
Fenthion oxon		<0.050 mg/kg
Fenthion oxon sulfone		<0.050 mg/kg
Fenthion oxon sulfoxide		<0.050 mg/kg
Fenthion sulfone		<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Fenthion sulfoxide		<0.050 mg/kg
Fentrazamide		<0.050 mg/kg
Fenuron		<0.050 mg/kg
Fenvalerate/Esfenvalerate (sum of isomers)		<0.050 mg/kg
Fipronil		<0.050 mg/kg
Fipronil desulfinyl		<0.050 mg/kg
Fipronil sulfone		<0.050 mg/kg
Flonicamid		<0.050 mg/kg
Fluazifop-butyl		<0.050 mg/kg
Flucythrinate (sum of isomers)		<0.050 mg/kg
Fludioxonil		<0.050 mg/kg
Flufenacet		<0.050 mg/kg
Flufenoxuron		<0.050 mg/kg
Flumioxazin		<0.050 mg/kg
Fluometuron		<0.050 mg/kg
Fluopicolide		<0.050 mg/kg
Fluopyram		<0.050 mg/kg
Fluoxastrobin		<0.050 mg/kg
Fluquinconazole		<0.050 mg/kg
Fluridone		<0.050 mg/kg
Flusilazole		<0.050 mg/kg
Flutolanil		<0.050 mg/kg
Flutriafol		<0.050 mg/kg
Fluvalinate tau- (sum of isomers)		<0.050 mg/kg
Fonofos		<0.050 mg/kg
Forchlorfenuron		<0.050 mg/kg
Formothion		<0.050 mg/kg
Fosthiazate (sum of isomers)		<0.050 mg/kg
Fuberidazole		<0.050 mg/kg
Furalaxyl		<0.050 mg/kg

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Multi-Residue Analysis for hemp products - 500+ compounds		
Furathiocarb		<0.050 mg/kg
Griseofulvin		<0.050 mg/kg
HCH, alpha- (alpha-BHC)		<0.050 mg/kg
HCH, beta- (beta-BHC)		<0.050 mg/kg
HCH, delta- (delta-BHC)		<0.050 mg/kg
Halofenozide		<0.050 mg/kg
Haloxypop-methyl		<0.050 mg/kg
Heptachlor		<0.050 mg/kg
Heptachlor endo-epoxide		<0.10 mg/kg
Heptachlor exo-epoxide		<0.050 mg/kg
Hexachlorobenzene (HCB)		<0.050 mg/kg
Hexaconazole		<0.050 mg/kg
Hexaflumuron		<0.050 mg/kg
Hexazinone		<0.050 mg/kg
Hexythiazox		<0.050 mg/kg
Hydroprene, S- (sum of isomers)		<0.050 mg/kg
Imazalil		<0.050 mg/kg
Imazamethabenz-methyl		<0.050 mg/kg
Imidacloprid		<0.050 mg/kg
Indoxacarb		<0.050 mg/kg
Ipconazole		<0.050 mg/kg
Iprovalicarb		<0.050 mg/kg
Isocarbamid		<0.050 mg/kg
Isocarbophos		<0.050 mg/kg
Isofenphos		<0.050 mg/kg
Isofenphos-methyl		<0.050 mg/kg
Isoprocarb		<0.050 mg/kg
Isoprothiolane		<0.050 mg/kg
Isoproturon		<0.050 mg/kg
Isoxaben		<0.050 mg/kg

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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Isoxadifen-ethyl		<0.050 mg/kg
Isoxaflutole		<0.050 mg/kg
Isoxathion		<0.050 mg/kg
Kresoxim-methyl		<0.050 mg/kg
Lactofen		<0.050 mg/kg
Lenacil		<0.050 mg/kg
Lindane (gamma-HCH, gamma-BHC)		<0.050 mg/kg
Linuron		<0.050 mg/kg
Lufenuron		<0.050 mg/kg
MGK 264 (sum of isomers)		<0.050 mg/kg
Malaoxon		<0.050 mg/kg
Malathion		<0.050 mg/kg
Mandipropamid		<0.050 mg/kg
Mecarbam		<0.050 mg/kg
Mepanipyrim		<0.050 mg/kg
Mepanipyrim-2-hydroxypropyl		<0.050 mg/kg
Mephosfolan		<0.050 mg/kg
Metaflumizone		<0.050 mg/kg
Metalaxyl		<0.050 mg/kg
Metamitron		<0.050 mg/kg
Metazachlor		<0.050 mg/kg
Metconazole		<0.050 mg/kg
Methabenzthiazuron		<0.050 mg/kg
Methacrifos		<0.050 mg/kg
Methamidophos		<0.050 mg/kg
Methidathion		<0.050 mg/kg
Methiocarb		<0.050 mg/kg
Methiocarb sulfone		<0.050 mg/kg
Methiocarb sulfoxide		<0.050 mg/kg
Methomyl		<0.050 mg/kg

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Methoprotryne		<0.050 mg/kg
Methoxychlor		<0.10 mg/kg
Methoxyfenozide		<0.050 mg/kg
Metobromuron		<0.050 mg/kg
Metolachlor		<0.050 mg/kg
Metolcarb		<0.050 mg/kg
Metoxuron		<0.050 mg/kg
Metrafenone		<0.050 mg/kg
Metribuzin		<0.050 mg/kg
Mevinphos (E- and Z-isomers)		<0.050 mg/kg
Mexacarbate		<0.050 mg/kg
Mirex		<0.050 mg/kg
Molinate		<0.050 mg/kg
Monocrotophos		<0.050 mg/kg
Monolinuron		<0.050 mg/kg
Myclobutanil		<0.050 mg/kg
Naled (Dibrom)		<0.050 mg/kg
Napropamide		<0.050 mg/kg
Neburon		<0.050 mg/kg
Nitenpyram		<0.050 mg/kg
Nitrofen		<0.050 mg/kg
Nonachlor, cis-		<0.050 mg/kg
Nonachlor, trans-		<0.050 mg/kg
Norflurazon		<0.050 mg/kg
Norflurazon-desmethyl		<0.050 mg/kg
Novaluron		<0.050 mg/kg
Nuarimol		<0.050 mg/kg
Ofurace		<0.050 mg/kg
Omethoate		<0.050 mg/kg
Oxadiazon		<0.050 mg/kg

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Sample Name:	1000mg Full Spectrum Tincture	Eurofins Sample:	9700662
Project ID	HEMPSCIENC-20200722-0001	Receipt Date	23-Jul-2020
PO Number	OTHER	Receipt Condition	Ambient temperature
Lot Number	T-14020	Login Date	22-Jul-2020
Sample Serving Size		Date Started	27-Jul-2020
		Sampled	Sample results apply as received
		Online Order	16773-13DAE0E0

Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Oxadixyl		<0.050 mg/kg
Oxamyl		<0.050 mg/kg
Oxamyl oxime		<0.050 mg/kg
Oxycarboxin		<0.050 mg/kg
Oxychlordane		<0.050 mg/kg
Oxydemeton-methyl		<0.050 mg/kg
Oxyfluorfen		<0.050 mg/kg
Paclobutrazol		<0.050 mg/kg
Paraoxon		<0.050 mg/kg
Paraoxon-methyl		<0.050 mg/kg
Parathion		<0.050 mg/kg
Parathion-methyl		<0.050 mg/kg
Penconazole		<0.050 mg/kg
Pencycuron		<0.050 mg/kg
Pendimethalin		<0.050 mg/kg
Pentachloroaniline		<0.050 mg/kg
Pentachloroanisole		<0.050 mg/kg
Pentachlorobenzene		<0.050 mg/kg
Pentachlorobenzonitrile		<0.050 mg/kg
Pentachlorothioanisole		<0.050 mg/kg
Permethrin (sum of isomers)		<0.050 mg/kg
Perthane (Ethylan)		<0.050 mg/kg
Phenmedipham		<0.050 mg/kg
Phenthoate		<0.050 mg/kg
Phorate		<0.050 mg/kg
Phorate sulfone		<0.050 mg/kg
Phorate sulfoxide		<0.050 mg/kg
Phosalone		<0.050 mg/kg
Phosmet		<0.050 mg/kg
Phosmet oxon		<0.050 mg/kg

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1201 N. Main Street
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Sample Name:	1000mg Full Spectrum Tincture	Eurofins Sample:	9700662
Project ID	HEMPSCIENC-20200722-0001	Receipt Date	23-Jul-2020
PO Number	OTHER	Receipt Condition	Ambient temperature
Lot Number	T-14020	Login Date	22-Jul-2020
Sample Serving Size		Date Started	27-Jul-2020
		Sampled	Sample results apply as received
		Online Order	16773-13DAE0E0

Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Phosphamidon (E- and Z-isomers)		<0.050 mg/kg
Phoxim		<0.050 mg/kg
Picolinafen		<0.050 mg/kg
Picoxystrobin		<0.050 mg/kg
Piperonyl butoxide		<0.050 mg/kg
Piperophos		<0.050 mg/kg
Pirimicarb		<0.050 mg/kg
Pirimicarb-desmethyl		<0.050 mg/kg
Pirimiphos-ethyl		<0.050 mg/kg
Pirimiphos-methyl		<0.050 mg/kg
Pirimiphos-methyl, N-desethyl-		<0.050 mg/kg
Prallethrin		<0.10 mg/kg
Pretilachlor		<0.050 mg/kg
Prochloraz		<0.050 mg/kg
Procymidone		<0.050 mg/kg
Prodiamine		<0.050 mg/kg
Profenofos		<0.050 mg/kg
Profluralin		<0.050 mg/kg
Promecarb		<0.050 mg/kg
Prometon		<0.050 mg/kg
Prometryn		<0.050 mg/kg
Propanil		<0.050 mg/kg
Propaquizafop		<0.050 mg/kg
Propargite		<0.050 mg/kg
Propetamphos		<0.050 mg/kg
Propham		<0.050 mg/kg
Propiconazole (sum of isomers)		<0.050 mg/kg
Propoxur		<0.050 mg/kg
Propyzamide (Pronamide)		<0.050 mg/kg
Prosulfocarb		<0.050 mg/kg

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		Sampled	Sample results apply as received
		Online Order	16773-13DAE0E0

Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Prothioconazole-desthio		<0.050 mg/kg
Prothiofos		<0.050 mg/kg
Pymetrozine		<0.050 mg/kg
Pyracarbolid		<0.050 mg/kg
Pyraclostrobin		<0.050 mg/kg
Pyraflufen-ethyl		<0.050 mg/kg
Pyrazophos		<0.050 mg/kg
Pyrethrum (total)		<0.50 mg/kg
Pyridaben		<0.050 mg/kg
Pyridaphenthion		<0.050 mg/kg
Pyrifenox (E- and Z-isomers)		<0.050 mg/kg
Pyrimethanil		<0.050 mg/kg
Pyriproxyfen		<0.050 mg/kg
Pyroquilon		<0.050 mg/kg
Quinalphos		<0.050 mg/kg
Quinoclamine		<0.050 mg/kg
Quinoxifen		<0.050 mg/kg
Quintozene		<0.050 mg/kg
Quizalofop-ethyl		<0.050 mg/kg
Rotenone		<0.050 mg/kg
S421		<0.050 mg/kg
Schradan (Octamethylpyrophosphoramidate)		<0.050 mg/kg
Secbumeton		<0.050 mg/kg
Siduron		<0.050 mg/kg
Silthiofam		<0.050 mg/kg
Simazine		<0.050 mg/kg
Simeconazole		<0.050 mg/kg
Simetryn		<0.050 mg/kg
Spinetoram (spinosyns J and L)		<0.050 mg/kg
Spinosad (spinosyns A and D)		<0.050 mg/kg

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Sample Name:	1000mg Full Spectrum Tincture	Eurofins Sample:	9700662
Project ID	HEMPSCIENC-20200722-0001	Receipt Date	23-Jul-2020
PO Number	OTHER	Receipt Condition	Ambient temperature
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Sample Serving Size		Date Started	27-Jul-2020
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		Online Order	16773-13DAE0E0

Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Spirodiclofen		<0.050 mg/kg
Spiromesifen		<0.050 mg/kg
Spirotetramat		<0.050 mg/kg
Spiroxamine (2 diastereoisomers)		<0.050 mg/kg
Sulfallate		<0.050 mg/kg
Sulprofos		<0.050 mg/kg
Tebuconazole		<0.050 mg/kg
Tebufenozide		<0.050 mg/kg
Tebufenpyrad		<0.050 mg/kg
Tebupirimfos		<0.050 mg/kg
Tebuthiuron		<0.050 mg/kg
Tecnazene		<0.050 mg/kg
Teflubenzuron		<0.10 mg/kg
Tefluthrin		<0.050 mg/kg
Temephos		<0.050 mg/kg
Terbacil		<0.050 mg/kg
Terbufos		<0.050 mg/kg
Terbufos sulfone		<0.050 mg/kg
Terbufos sulfoxide		<0.050 mg/kg
Terbumeton		<0.050 mg/kg
Terbuthylazine		<0.050 mg/kg
Terbutryn		<0.050 mg/kg
Tetrachloroaniline, 2,3,5,6-		<0.050 mg/kg
Tetrachloroanisole, 2,3,4,5-		<0.050 mg/kg
Tetrachlorvinphos		<0.050 mg/kg
Tetraconazole		<0.050 mg/kg
Tetradifon		<0.050 mg/kg
Thiabendazole		<0.050 mg/kg
Thiabendazole-5-hydroxy-		<0.050 mg/kg
Thiacloprid		<0.050 mg/kg

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Sample Serving Size		Date Started	27-Jul-2020
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		Online Order	16773-13DAE0E0

Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Thiamethoxam		<0.050 mg/kg
Thiazopyr		<0.050 mg/kg
Thiobencarb (Benthiocarb)		<0.10 mg/kg
Thiodicarb		<0.050 mg/kg
Thiofanox		<0.050 mg/kg
Thiofanox sulfone		<0.050 mg/kg
Thiofanox sulfoxide		<0.050 mg/kg
Thionazin (Zinophos)		<0.050 mg/kg
Thiophanate-methyl		<0.050 mg/kg
Tolclofos-methyl		<0.050 mg/kg
Tolfenpyrad		<0.050 mg/kg
Tolyfluanid		<0.050 mg/kg
Triadimefon		<0.050 mg/kg
Triadimenol		<0.050 mg/kg
Triazophos		<0.050 mg/kg
Tribufos (DEF)		<0.10 mg/kg
Trichlorfon (Metrifonate)		<0.050 mg/kg
Trichloroanisole, 2,4,6-		<0.050 mg/kg
Tricyclazole		<0.050 mg/kg
Trietazine		<0.050 mg/kg
Trifloxystrobin		<0.050 mg/kg
Triflumizole		<0.050 mg/kg
Triflururon		<0.050 mg/kg
Trifluralin		<0.050 mg/kg
Triforine		<0.050 mg/kg
Trimethacarb		<0.050 mg/kg
Triticonazole		<0.050 mg/kg
Uniconazole		<0.050 mg/kg
Vamidothion		<0.050 mg/kg
Vinclozolin		<0.050 mg/kg

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Sample Serving Size		Date Started	27-Jul-2020
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Analysis	Limit	Result
Multi-Residue Analysis for hemp products - 500+ compounds		
Zoxamide		<0.050 mg/kg
Acequinocyl		non-analyzable
Fluxapyroxad		<0.050 mg/kg

Method References

Testing Location

Aerobic Plate Count (USPC2021)

Food Integ. Innovation-Madison NE

2102 Wright Street 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.

E. coli (USPE2022)

Food Integ. Innovation-Madison NE

2102 Wright Street 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

3301 Kinsman Blvd 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).

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Method References

Testing Location

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

Food Integ. Innovation-Madison NE

2102 Wright Street 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

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis, Method 2018.11, AOAC INTERNATIONAL, (Modified). Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection, " First Action Method, Journal of AOAC International, Future Issue

Multi-Residue Analysis for hemp products - 500+ compounds (PEST_HEMP)

Food Integrity Innovation-Madison

3301 Kinsman Blvd 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.

Preparatory Testing of Nutritional and Dietary Supplements - Retest (USPC_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPN_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)

Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

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Method References

Testing Location

Salmonella USP (USPS2022)

Food Integ. Innovation-Madison NE

2102 Wright Street 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.

Terpenes (TERPENES_S)

Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Internally Developed Method

Yeast and Mold Count (USPM2021)

Food Integ. Innovation-Madison NE

2102 Wright Street 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.

Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - Director

Eurofins Food Chemistry Testing Madison, Inc.
3301 Kinsman Blvd
Madison WI 53704
800-675-8375



2918.01

Food Integ. Innovation-Madison NE

Shannon Jacoby - Business Unit Manager

Eurofins Food Chemistry Testing US, Inc.
2102 Wright Street
Madison WI 53704
800-675-8375

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