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Eurofins Microbiology Laboratories (Utah)

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Tranont

Mikaela Pratt
2612 W 400 N
Ste 100
Lindon, UT 84042

ANALYTICAL REPORT

AR-24-L4-000661-01

Client Code: L40000056
PO#: Lot 2402007

Received On: 03Apr2024
Reported On: 12Apr2024

Eurofins Sample Code:	961-2024-04030016	**Sample Registration Date:**	03Apr2024
Client Sample Code:	New Sample	**Condition Upon Receipt:**	acceptable, 22.8°C
Sample Description:	CBD Relieve	**Sample Reference:**	Lot 2402007

FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference	Accreditation	Completed	Sub
	AOAC 2011.19, 993.14 and 2015.01 (modified)		12Apr2024	2

Parameter	Result
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

FS00D - Industrial Hemp Cannabinoid Profile	Reference	Accreditation	Completed	Sub
	AOAC 2018.11 (modified)		12Apr2024	2

Parameter	Result
Total THC (THC + (THCA x 0.877))	<0.00250 %
Cannabichromene (CBC)	<0.00250 %
Cannabidiol (CBD)	0.0501 %
Cannabidiolic Acid (CBDA)	0.00335 %
Cannabigerol (CBG)	<0.00250 %
Delta 9-THC	<0.00250 %
Total Cannabinoids	0.0535 %
Total CBD (CBD + (CBDA x 0.877))	0.0531 %

FS0G7 - Residual Solvent Analysis	Reference	Accreditation	Completed	Sub
	Internal method		12Apr2024	2

Parameter	Result
2,2-Dimethylpentane	<50.0 ppm
1,2-Dichloroethane	<1.0 ppm
2,2,3-Trimethylbutane	<50.0 ppm
2,3-Dimethylpentane	<50.0 ppm
2,4-Dimethylpentane	<50.0 ppm
2,2-Dimethylbutane	<25.0 ppm

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FS0G7 - Residual Solvent Analysis	**Reference**	**Accreditation**	**Completed**	**Sub**
	Internal method		12Apr2024	2

Parameter	**Result**
2,3-Dimethylbutane	<25.0 ppm
2-Methylhexane	<50.0 ppm
2-Methylpentane	<25.0 ppm
2-Propanol	<500 ppm
3,3-Dimethylpentane	<50.0 ppm
3-Ethylpentane	<50.0 ppm
3-Methylhexane	<50.0 ppm
3-Methylpentane	<25.0 ppm
Acetone	<200 ppm
Acetonitrile	<200 ppm
Benzene	<1.0 ppm
Sum of Butanes	<1,000 ppm
Chloroform	<1.0 ppm
Ethyl Ether	<500 ppm
Ethanol	<500 ppm
Ethyl Acetate	<500 ppm
Xylenes-1 (Ethylbenzene)	<40.0 ppm
Ethylene Oxide	<25.0 ppm
Isobutane (2-Methylpropane)	<500 ppm
Xylenes-2 (m- p-Xylene)	<140 ppm
Methanol	<500 ppm
Methylene Chloride	<1.0 ppm
n-Butane	<500 ppm
n-Heptane	<50.0 ppm
n-Hexane	<30.0 ppm
n-Pentane	<25.0 ppm
Xylenes-3 (o-Xylene)	<20.0 ppm
Sum of Petroleum Ether	<125 ppm
Propane	<1,000 ppm
Sum of Heptanes	<450 ppm
Sum of Xylenes	<200 ppm
Toluene	<90.0 ppm
Trichloroethylene	<1.0 ppm

FSA3Y - Residual Solvents – Class 1, 2a, 2b, and 3	**Reference**	**Accreditation**	**Completed**	**Sub**
	USP <467>		12Apr2024	2

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FSA3Y - Residual Solvents – Class 1, 2a, 2b, and 3	**Reference**	**Accreditation**	**Completed**	**Sub**
	USP <467>		12Apr2024	2

Parameter	**Result**
1,1,1-Trichloroethane	<10 ppm
1,1-Dichloroethene	<8 ppm
1,2-Dichloroethane	<5 ppm
1,2-Dichloroethene	<1,870 ppm
1,2-Dimethoxyethane	<100 ppm
1,4-Dioxane	<380 ppm
Acetonitrile	<410 ppm
Benzene	<2 ppm
Carbon Tetrachloride	<4 ppm
Chlorobenzene	<360 ppm
Chloroform	<60 ppm
Cumene	<70.0 ppm
Cyclohexane	<3,880 ppm
Methanol	<3,000 ppm
Methylbutylketone	<50 ppm
Methylcyclohexane	<1,180 ppm
Methylene Chloride	<600 ppm
n-Hexane	<290 ppm
Nitromethane	<50 ppm
Pyridine	<200 ppm
Tetrahydrofuran	<720 ppm
Tetralin	<96.0 ppm
Toluene	<890 ppm
Trichloroethylene	<80 ppm
Xylenes(O,M,P + EB)	<2,170 ppm
1-Butanol	<200 ppm
1-Propanol	<200 ppm
2-Butanol	<200 ppm
2-Methyl-1-propanol	<200 ppm
2-Propanol	<200 ppm
3-Methyl-1-butanol	<200 ppm
Acetone	<200 ppm
Anisole	<200 ppm
Diethyl Ether	<200 ppm
Ethanol	<200 ppm
Ethyl Acetate	<200 ppm

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FSA3Y - Residual Solvents – Class 1, 2a, 2b, and 3	**Reference**	**Accreditation**	**Completed**	**Sub**
	USP <467>		12Apr2024	2

Parameter	**Result**
Ethyl Formate	<500 ppm
Isobutyl Acetate	<200 ppm
Isopropyl Acetate	<200 ppm
Methyl Acetate	<200 ppm
Methylisobutylketone	<200 ppm
Methylethylketone	<200 ppm
tert-Butylmethyl Ether	<200 ppm
Acetic Acid Butyl Ester	<200 ppm
n-Heptane	<200 ppm
n-Pentane	<200 ppm
1-Pentanol	<200 ppm
Propyl Acetate	<200 ppm
Total Class 3 Residual Solvents	<5,000 ppm

FSMRH - Mycotoxins in Hemp	**Reference**	**Accreditation**	**Completed**	**Sub**
	Anal.Bioanal.Chem. (2012) 402:2675-268		12Apr2024	2

Parameter	**Result**
Aflatoxin B1	<0.500 ppb
Aflatoxin B2	<0.500 ppb
Aflatoxin G1	<0.500 ppb
Aflatoxin G2	<0.500 ppb
Ochratoxin A	<1.00 ppb
Sum of Aflatoxins B1,B2,G1,G2	<2.00 ppb

FSPHC - Multi-Residue Analysis for hemp	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC 2007.01 (mod.), EN 15662		12Apr2024	2

Parameter	**Result**
Carbofuran-3-hydroxy-	<0.10 mg/kg
Abamectin	<0.30 mg/kg
Aldicarb	<0.10 mg/kg
Aldicarb sulfone (Aldoxycarb)	<0.10 mg/kg
Aldicarb sulfoxide	<0.10 mg/kg
Azoxystrobin	<0.10 mg/kg
Bifenazate	<0.10 mg/kg
Bifenthrin	<0.10 mg/kg
Carbaryl	<0.10 mg/kg
Carbofuran	<0.10 mg/kg

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FSPHC - Multi-Residue Analysis for hemp	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC 2007.01 (mod.), EN 15662		12Apr2024	2

Parameter	**Result**
Chlorantraniliprole	<0.10 mg/kg
Chlordane cis-	<0.10 mg/kg
Chlordane trans-	<0.10 mg/kg
Chlorfenapyr	<0.10 mg/kg
Chlorpyrifos	<0.10 mg/kg
Coumaphos	<0.10 mg/kg
Cyfluthrin	<0.10 mg/kg
Cypermethrin	<0.10 mg/kg
Cyproconazole (2 diastereoisomers)	<0.10 mg/kg
Cyprodinil	<0.10 mg/kg
Dichlorvos	<0.10 mg/kg
Diclobutrazol	<0.10 mg/kg
Dipropetryn	<0.10 mg/kg
Disulfoton	<0.10 mg/kg
Endosulfan sulfate	<0.20 mg/kg
Endosulfan I (alpha-isomer)	<0.20 mg/kg
Endosulfan II (beta-isomer)	<0.20 mg/kg
Epoxiconazole	<0.10 mg/kg
Ethiofencarb	<0.10 mg/kg
Etofenprox	<0.10 mg/kg
Etoxazole	<0.10 mg/kg
Fenoxycarb	<0.10 mg/kg
Fenpropathrin	<0.10 mg/kg
Fenvalerate/Esfenvalerate (sum of isomer	<0.20 mg/kg
Fipronil	<0.10 mg/kg
Fipronil desulfinyl	<0.10 mg/kg
Fipronil sulfone	<0.10 mg/kg
Imazalil	<0.10 mg/kg
Imidacloprid	<0.10 mg/kg
Malathion	<0.10 mg/kg
Methiocarb	<0.10 mg/kg
Methiocarb sulfone	<0.10 mg/kg
Methiocarb sulfoxide	<0.10 mg/kg
Methomyl	<0.10 mg/kg
Mevinphos (E- and Z-isomers)	<0.10 mg/kg
Myclobutanil	<0.10 mg/kg

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FSPHC - Multi-Residue Analysis for hemp	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC 2007.01 (mod.), EN 15662		12Apr2024	2

Parameter	**Result**
Naled (Dibrom)	<0.10 mg/kg
Paclobutrazol	<0.10 mg/kg
Permethrin (sum of isomers)	<0.10 mg/kg
Propoxur	<0.10 mg/kg
Pyrethrum (total)	<1.0 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
Tebuconazole	<0.10 mg/kg
Thiabendazole	<0.10 mg/kg
Thiabendazole-5-hydroxy-	<0.10 mg/kg
Thiacloprid	<0.10 mg/kg
Trifloxystrobin	<0.10 mg/kg

UMCP8 - Salmonella - AOAC-RI 121501	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC-RI 121501		11Apr2024	1

Parameter	**Result**
Salmonella spp.	Not Detected per 25 ml

UMII7 - Aerobic Plate Count - AOAC 966.23	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC 966.23		11Apr2024	1

Parameter	**Result**
Aerobic Plate Count	< 10 cfu/ml

UMPUR - Coliforms - AOAC 991.14	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC 991.14		11Apr2024	1

Parameter	**Result**
Total Coliforms	< 10 cfu/ml
E. coli	< 10 cfu/ml

UMQE6 - Listeria monocytogenes - AOAC-RI 061703	**Reference**	**Accreditation**	**Completed**	**Sub**
	AOAC-RI 061703		11Apr2024	1

Parameter	**Result**
Listeria monocytogenes	Not Detected per 25 ml

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UMR8B - Yeast - FDA BAM Chapter 18 mod.	**Reference**	**Accreditation**	**Completed**	**Sub**
	FDA BAM Chapter 18 mod.		11Apr2024	1

Parameter	**Result**
Yeast	< 10 cfu/ml
Mold	< 10 cfu/ml

ZMIVR - Staphylococcus aureus - BAM Chapter 12	**Reference**	**Accreditation**	**Completed**	**Sub**
	BAM Chapter 12		11Apr2024	1

Parameter	**Result**
Staphylococcus aureus	< 10 cfu/ml

Subcontracting partners:
1 - Eurofins Microbiology Laboratory (Colorado), Colorado
2 - Eurofins Food Chemistry Testing US Madison, Wisconsin

Respectfully Submitted,



Aide Zamora
Laboratory Operations Manager

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