



Analysis Date: 2022-03-25  
 External ID: NON MANDATORY  
 Integrity ID: 1116699

**CERTIFICATE OF ANALYSIS**  
 CRISP AND CRUDE LLC  
 SORSE LA-035-BSE-X-UNF AIL2130122  
 NON SOLVENT BASED CONCENTRATE  
 UBI:

CANNABINOID PROFILE		HPLC
Cannabinoids LOQ = 0.50 mg/g		mg/g
<b>Cannabinoids</b>		
Tetrahydrocannabinolic Acid (THCa)		nd
Delta 9 Tetrahydrocannabinol (D9 THC)		nd
<b>Total THC</b>	<b>0.00 mg/g</b>	
Cannabidiolic Acid (CBDa)		nd
Cannabidiol (CBD)		31
<b>Total CBD</b>	<b>31 mg/g</b>	
<b>Total i502</b>	<b>31 mg/g</b>	
Cannabinol (CBN)		nd
Delta 8 Tetrahydrocannabinol (D8)		nd
Tetrahydrocannabivarin (THCV)		nd
Cannabidivarin (CBDV)		nd
Cannabigerol (CBG)		1.0
Cannabigerolic Acid (CBGa)		nd
Cannabichromene (CBC)		0.92
<b>Total Tested Cannabinoids</b>	<b>33 mg/g</b>	

RESIDUAL SOLVENTS			GCMS	
	Result	RL	WSLCB	
	(ug/g)	(ug/g)	Limit	Pass/Fail
Acetone	nd	500	5000	PASS
Benzene	nd	1.0	2.0	PASS
Butanes	nd	500	5000	PASS
Chloroform	nd	1.0	2.0	PASS
Cyclohexane	nd	400	3880	PASS
Dichloromethane	nd	60	600	PASS
Ethyl Acetate	nd	500	5000	PASS
Heptane	nd	500	5000	PASS
Hexanes	nd	30	290	PASS
Isopropanol	nd	500	5000	PASS
Methanol	nd	500	3000	PASS
Pentanes	nd	500	5000	PASS
Propane	nd	500	5000	PASS
Toluene	nd	100	890	PASS
Total Xylenes	nd	200	2170	PASS

Total THC = THCA x .877 + D9 THC  
 Total CBD = CBDA x .877 + CBD  
 LOQ = Level Of Quantification  
 nd = not detected  
 rl = reporting limit

MICROBIAL PROFILE		Petrifilm & BioLumix	
Assay	Action Level	cfu/g	Result
Yeast and Mold	-	nd	
Gram Negative Bile-Tolerant Bacteria	1,000	nd	PASS
Salmonella	pass-fail	nd	PASS
Escherichia coli	pass-fail	nd	PASS

MYCOTOXIN PROFILE		Elisa	
Assay LOQ = 20.0 ppb	Action Level	ppb	Result
Aflatoxin B1, B2, G1, G2	20 ppb	nd	PASS
Ochratoxin A	20 ppb	nd	PASS

Marilyn Olson, Scientific Director

## Medicine Creek Analytics Certificate of Analysis

3700 Pacific HWY E, Ste 400, Fife, WA 98424  
WA State I502 Certification 0018 | ISO 17025 91428 | Accreditation #91428

**Crisp & Crude LLC**  
**Sorse LA-035-BSE-X-UNF**  
**AIL2130122**



Sample: **1116701**

#COC/INVOICE: **5817**

Laboratory ID <b>220323-012</b>	Matrix <b>Other</b>	Lot or Batch #	External Inv ID
Tested for <b>Integrity Labs Inc</b>	Address <b>2747 Pacific Ave.SE #B21 Olympia, WA 98501</b>		License <b>9</b>
Received <b>03/24/2022</b>			Reported <b>03/31/2022</b>

Analyses executed **MET, PES**

## MET - Heavy Metals Detection Analysis

Analyzed **Mar 31, 2022** | Instrument **ICP-MS**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g (ppm)	Analyte	LOD ug/g	LOQ ug/g	Result ug/g (ppm)
Arsenic (As)	0.049	0.164	ND	Cadmium (Cd)	0.01	0.034	ND
Lead (Pb)	0.034	0.114	ND	Mercury (Hg)	0.01	0.035	ND

## PES - Pesticides Screening Analysis

Analyzed **Mar 29, 2022** | Instrument **LC-MS/MS (ESI)**

Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm	Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm
3-Hydroxycarbofuran	0.075	0.25	ND	0.2	Abamectin B1a	0.15	0.45	ND	0.5
Acephate	0.1	0.3	ND	0.4	Acetamiprid	0.33	0.1	ND	0.2
Aldicarb Sulfone	0.05	0.2	ND	0.4	Aldicarb	0.075	0.25	ND	0.4
Aminocarb	0.033	0.1	ND	0.1	Azoxystrobin	0.05	0.2	ND	0.2
Benalaxyl	0.05	0.15	ND	0.1	Bifenthrin	0.05	0.2	ND	0.2
Bifenazate	0.05	0.2	ND	0.2	Boscalid			ND	0.4
Butafenacil	0.05	0.15	ND	0.1	Carbaryl	0.05	0.2	ND	0.2
Carbetamide	0.05	0.15	ND	0.1	Carbofuran	0.05	0.15	ND	0.2
Carboxin	0.05	0.15	ND	0.1	Carfentrazone-ethyl NH4	0.05	0.2	ND	0.1
Chlorantraniliprole	0.075	0.25	ND	0.2	Chlorotoluron	0.05	0.2	ND	0.1
Chloroxuron	0.05	0.15	ND	0.1	Chlorpyrifos	0.075	0.25	ND	0.2
Clofentezine			ND	0.2	Clothianidin	0.05	0.15	ND	0.1
Cyazofamid	0.05	0.15	ND	0.1	Cycluron	0.05	0.15	ND	0.1
Diazinon	0.05	0.2	ND	0.2	Diclotophos	0.05	0.15	ND	0.1
Diethofencarb	0.05	0.15	ND	0.1	Dimethoate	0.05	0.2	ND	0.2
Dimethomorph	0.05	0.2	ND	0.1	Dimoxystrobin	0.05	0.15	ND	0.1
Diuron	0.1	0.3	ND	0.1	Epoxiconazole	0.075	0.25	ND	0.1
Ethiofencarb	0.075	0.25	ND	0.1	Ethoprophos	0.1	0.4	ND	0.2
Etofenprox	0.04	0.125	ND	0.4	Etoazole	0.05	0.2	ND	0.2
Fenamidone	0.1	0.3	ND	0.1	Fenazaquin	0.05	0.2	ND	0.1
Fenoxycarb	0.05	0.2	ND	0.2	Fenpyroximate	0.04	0.125	ND	0.4
Fenuron	0.033	0.1	ND	0.1	Fipronil	0.1	0.3	ND	0.4
Flonicamid			ND	1	Fluazinam	0.075	0.25	ND	0.1
Fludioxonil			ND	0.4	Flufenacet	0.05	0.2	ND	0.1
Fluometuron	0.05	0.2	ND	0.1	Flutolanil	0.05	0.2	ND	0.1

**NR** Not Reported

**ND** Not Detected

**<LOD** Below Lod

**NT** Not Tested

**LOD** Limit of Detection

**LOQ** Limit of Quantification

**DET** Detected below quantitation limit

**CFU/g** Colony Forming Units per 1 gram

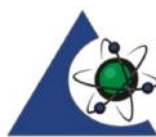
**TNTC** Too Numerous to Count

**mg/g** Milligrams per gram

**ppm** Parts per million

**WRL** Washington Regulatory Limit

**µg/g** Microgram per gram



PJLA  
Testing  
Accreditation  
#91428



Authorized Signature

*Amber R. Wise*

Amber R. Wise, PhD  
Science Director  
03/31/2022



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Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm	Analyte	LOD ppm	LOQ ppm	Result ppm	WRL ppm
Fuberidazole	0.033	0.1	ND	0.1	Furalaxyl	0.05	0.15	ND	0.2
Furathiocarb	0.05	0.2	ND	0.1	Hexythiazox	0.05	0.2	ND	1
Imazalil	0.1	0.4	ND	0.2	Imidacloprid	0.05	0.2	ND	0.4
Indoxacarb	0.05	0.2	ND	0.1	Iprovalicarb	0.05	0.2	ND	0.1
Isoprocarb	0.05	0.2	ND	0.1	Isoproturon	0.05	0.2	ND	0.1
Kresoxym-methyl	0.05	0.15	ND	0.4	Mandipropamid	0.05	0.2	ND	0.1
Mefenacet	0.05	0.15	ND	0.1	Malathion	0.05	0.2	ND	0.2
Mepronil			ND	0.1	Metalaxyl	0.05	0.15	ND	0.2
Methabenzthiazuron	0.05	0.15	ND	0.1	Methamidophos	0.033	0.1	ND	0.1
Methiocarb			ND	0.2	Methomyl	0.05	0.2	ND	0.4
Methoprotryne	0.05	0.2	ND	0.1	Methoxyfenozide	0.05	0.15	ND	0.1
Mexacarbate	0.033	0.1	ND	0.1	Monocrotophos			ND	0.1
Myclobutanil	0.075	0.25	ND	0.2	Nitenpyram	0.05	0.2	ND	0.1
Omethoate	0.05	0.2	ND	0.1	Oxadixyl	0.05	0.15	ND	0.2
Oxamyl	0.033	0.1	ND	0.1	Paclotbutrazol	0.05	0.2	ND	0.4
Permethrin NH4	0.05	0.2	ND	0.2	Phosmet	0.05	0.2	ND	0.2
Picoxystrobin	0.05	0.2	ND	0.1	Piperonyl Butoxide	0.05	0.15	ND	2
Pirimicarb	0.05	0.15	ND	0.1	Prometon	0.05	0.15	ND	0.1
Propamocarb	0.04	0.125	ND	0.1	Propargite	0.04	0.125	ND	0.1
Propoxur	0.04	0.125	ND	0.2	Pymetrozine	0.05	0.2	ND	0.1
Pyracarbolid	0.04	0.125	ND	0.1	Pyraclostrobin	0.05	0.15	ND	0.1
Pyrethrin I			ND	1	Pyrethrin II			ND	1
Pyridaben	0.05	0.2	ND	0.2	Pyriproxyfen	0.05	0.15	ND	0.1
Quinoxifen	0.033	0.1	ND	0.1	Rotenone	0.05	0.2	ND	0.1
Spinosad A	0.05	0.2	ND	0.2	Spinosad D	0.05	0.2	ND	0.2
Spiromesifen	0.04	0.125	ND	0.2	Spirotetramat	0.05	0.2	ND	0.2
Spiroxamine	0.05	0.15	ND	0.4	Tebuconazole	0.05	0.2	ND	0.4
Tebufenozide	0.05	0.15	ND	0.1	Tebuthiuron	0.04	0.125	ND	0.1
Thiacloprid	0.05	0.15	ND	0.2	Thiamethoxam	0.05	0.2	ND	0.2
Thiobencarb	0.05	0.2	ND	0.1	Thiophanate-Methyl	0.05	0.15	ND	0.1
Tricyclazole	0.05	0.15	ND	0.1	Trifloxystrobin	0.04	0.125	ND	0.2
Triflumizole	0.05	0.15	ND	0.1	Uniconazole	0.075	0.25	ND	0.5
Vamidothion	0.033	0.1	ND	0.1	Zoxamide	0.05	0.2	ND	0.1



**NR** Not Reported  
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**<LOD** Below Lod  
**NT** Not Tested  
**LOD** Limit of Detection  
**LOQ** Limit of Quantification  
**DET** Detected below quantitation limit  
**CFU/g** Colony Forming Units per 1 gram  
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Authorized Signature

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