



Confidence Analytics

Cannabis Analytics and Research Specialists
 WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confabs.com
 Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter | Moisture | Terpenes | Residual Solvents | Pesticides
Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 6041296

Origination: Thomas Werth **UBI #:** 603184350 **Inventory #:** 6033132380015446
Strain: x-tracted - The Clear Lemon... **License #:** 423396 **QA #:** 6033132380015446
Type: Distillation **Harvest Date:** Unknown **Result #:** Unlisted
Address: 19705 60th Ave Ne Suite B **Date of Receipt:** 2019-04-18 **Approved By:** N. Mosely, CSO
 ARLINGTON, WA 98223 **Date of Testing:** 2019-04-20 S. Stevens, LDR



PASS/FAIL

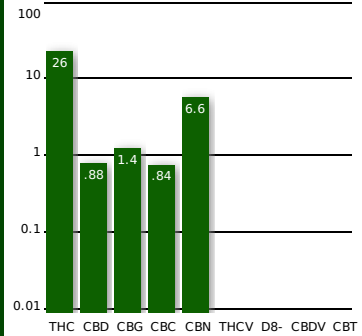
Foreign Matter+Seeds *PASS*
Mycotoxins NE
Pesticides *FAIL*
Residual Solvents *PASS*

Shelf Stability

Loss-On-Drying NE
Water Activity: NE

Chemical Profile (units in percent by weight)

THC max		CBD max	
26		0.88	
raw sum: 26		raw sum: 0.88	
THCA	0.087	THC	26
CBDA	ND	CBD	0.88
CBGA	ND	CBG	1.4
CBC	0.84	CBN	6.6
THCVA	NE	THCV	NE
D8THC	NE	CBDV	NE
CBT	NE	Terp total:	
Total Cannabinoids (raw sum): 36			



Terpene Fingerprint (units in percent by weight)

TERPENES NOT EXAMINED

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THC_{max} (a.k.a. Total THC) = $THC + (THC-A * 0.877)$
 CBD_{max} (a.k.a. Total CBD) = $CBD + (CBD-A * 0.877)$
 Total Cannabinoid is a raw sum of all measured cannabinoids
 In Traceability, Total Cannabinoid is a sum of THC_{max} and CBD_{max}
 Figures may differ slightly from traceability due to rounding

ND = Not Detected
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 Unk = Unknown

Analytical Methods Used
 Cannabinoids: HPLC-UV
 Microbial: Plate Counting
 Terpenes: HS-GC-FID
 Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
 Water Activity: HYGROMER®
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Authenticity Verification:
 CozgChZnq7JkRiMRep8pLPI
 2019-04-22 16:00:34



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Quantitative Impurities Report

Concentrations of analytes used to determine pass/fail status of individual tests.

* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ) . Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

** Greater than upper limit of quantification (>ULOQ). Applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. Number shown is upper end of calibration (ULOQ).

Findings

ALKANES

<u>Analyte</u>	<u>Concentration</u>	<u>Action Level</u>
Hexane	< RL	290 ppm
Cyclohexane	< RL	3900 ppm
Butane	< RL	5000 ppm
Pentane	< RL	5000 ppm
Heptane	< RL	5000 ppm
Propane	< RL	5000 ppm

**Reporting Limit (RL) = 10 ppm*

ALLOWED INGREDIENTS

Analyte Concentration

Ethanol < RL

**Reporting Limit (RL) = 500 ppm*

MYCOTOXINS NOT EXAMINED

IMPURITIES

<u>Analytes</u>	<u>Concentration</u>	<u>Action Level</u>
Acetone	< RL	5000 ppm
Benzene	< RL	2 ppm
Chloroform	< RL	2 ppm
Dichloromethane	< RL	600 ppm
Ethyl_Acetate	< RL	5000 ppm
Isopropanol	< RL	5000 ppm
Xylene	< RL	2200 ppm
Methanol	< RL	3000 ppm
Toluene	< RL	890 ppm

**Reporting Limit (RL) = Half Action Level*

MICROBIOLOGICALS NOT EXAMINED

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Analytical Methods Used
Cannabinoids: HPLC-UV
Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MS/MS
Water Activity: HYGROMER®
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Chemical Residue Screen

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Chemical Residue Screen - Test Report



Cannabis samples were homogenized and extracted using a custom protocol. Instrumental analysis was performed with UHPLC-MS/MS (tandem quadrupole). Target compounds were identified by matching to Certified Reference Materials. Ion-selective detection (multiple reaction monitoring, or MRM) was used to ensure that precursor and product ions of the correct masses co-eluted and were observed in ratios matching those for the reference materials.

Dozens of compounds representing many different classes of fungicides, herbicides, and plant growth regulators were screened for. This document lists all analytes detected in the Chemical Residue Screen.

Findings

Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level	Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level
(sum) Spinosads	NA	NOT DETECTED	PASS	0.20 ppm	Chlorpyrifos	2921-88-2	NOT DETECTED	PASS	0.20 ppm
(sum) Permethrins	NA	NOT DETECTED	PASS	0.20 ppm	cis-Permethrin	52645-53-1	NOT DETECTED	PASS	0.20 ppm
Piperonyl Butoxide	51-03-6	4.6 ppm >ULOQ**	FAIL	2.00 ppm	Clofentezine	74115-24-5	NOT DETECTED	PASS	0.20 ppm
Myclobutanil	88671-89-0	0.22 ppm	FAIL	0.20 ppm	Daminozide	1596-84-5	NOT DETECTED	PASS	1.00 ppm
Spiromesifen	283594-90-1	0.11 ppm	PASS	0.20 ppm	Diazinon	333-41-5	NOT DETECTED	PASS	0.20 ppm
Bifenazate	149877-41-8	<0.037 ppm* TRACE	PASS	0.20 ppm	Dichlorvos	62-73-7	NOT DETECTED	PASS	0.10 ppm
Imidacloprid	138261-41-3	<0.034 ppm* TRACE	PASS	0.40 ppm	Dimethoate	60-51-5	NOT DETECTED	PASS	0.20 ppm
Abamectin B1a	71751-41-2	NOT DETECTED	PASS	0.50 ppm	Ethoprophos	13194-48-4	NOT DETECTED	PASS	0.20 ppm
Acephate	30560-19-1	NOT DETECTED	PASS	0.40 ppm	Etofenprox	80844-07-1	NOT DETECTED	PASS	0.40 ppm
Acetamiprid	135410-20-7	NOT DETECTED	PASS	0.20 ppm	Etozazole	153233-91-1	NOT DETECTED	PASS	0.20 ppm
Aldicarb	116-06-3	NOT DETECTED	PASS	0.40 ppm	Fenoxycarb	72490-01-8	NOT DETECTED	PASS	0.20 ppm
Azoxystrobin	131860-33-8	NOT DETECTED	PASS	0.20 ppm	Fenproximate	134098-61-6	NOT DETECTED	PASS	0.40 ppm
Bifenthrin	82657-04-3	NOT DETECTED	PASS	0.20 ppm	Fipronil	120068-37-3	NOT DETECTED	PASS	0.40 ppm
Boscalid	188425-85-6	NOT DETECTED	PASS	0.40 ppm	Fonicamid	158062-67-0	NOT DETECTED	PASS	1.00 ppm
Carbaryl	63-25-2	NOT DETECTED	PASS	0.20 ppm	Fludioxonil	131341-86-1	NOT DETECTED	PASS	0.40 ppm
Carbofuran	1563-66-2	NOT DETECTED	PASS	0.20 ppm	Hexythiazox	78587-05-0	NOT DETECTED	PASS	1.00 ppm
Chlorantraniliprole	500008-45-7	NOT DETECTED	PASS	0.20 ppm	Imazalil	35554-44-0	NOT DETECTED	PASS	0.20 ppm
Chloromequat	7003-89-6	NOT DETECTED	PASS	0.10 ppm	Kresoxim-methyl	143390-89-0	NOT DETECTED	PASS	0.40 ppm

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Malathion	121-75-5	NOT DETECTED	PASS	0.20 ppm	Thiacloprid	111988-49-9	NOT DETECTED	PASS	0.20 ppm
Metalaxyl	57837-19-1	NOT DETECTED	PASS	0.20 ppm	Thiamethoxam	153719-23-4	NOT DETECTED	PASS	0.20 ppm
Methiocarb	2032-65-7	NOT DETECTED	PASS	0.20 ppm	trans-Permethrin	52645-53-2	NOT DETECTED	PASS	0.20 ppm
Methomyl	16752-77-5	NOT DETECTED	PASS	0.40 ppm	Trifloxystrobin	141517-21-7	NOT DETECTED	PASS	0.20 ppm
Naled	300-76-5	NOT DETECTED	PASS	0.50 ppm	Uniconazole	83657-22-1	NOT DETECTED	PASS	0.10 ppm
Oxamyl	23135-22-0	NOT DETECTED	PASS	1.00 ppm					
Paclobotrazol	76738-62-0	NOT DETECTED	PASS	0.40 ppm					
Phosemet (Imidan)	732-11-6	NOT DETECTED	PASS	0.20 ppm					
Prallethrin	23031-36-9	NOT DETECTED	PASS	0.20 ppm					
Propiconazole	60207-90-1	NOT DETECTED	PASS	0.40 ppm					
Propoxur	114-26-1	NOT DETECTED	PASS	0.20 ppm					
Pyrethrin I	8003-34-7	NOT DETECTED	PASS	1.00 ppm					
Pyridaben	96489-71-3	NOT DETECTED	PASS	0.20 ppm					
Spinosad A	168316-95-8	NOT DETECTED	PASS	0.20 ppm					
Spinosad D	168316-95-9	NOT DETECTED	PASS	0.20 ppm					
Spirotetramat	203313-25-1	NOT DETECTED	PASS	0.20 ppm					
Spiroxamine	118134-30-8	NOT DETECTED	PASS	0.40 ppm					
Tebuconazole	80443-41-0	NOT DETECTED	PASS	0.40 ppm					

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