



True Northwest, Inc.
Scientists You Can Talk To

Certificate Of Analysis

TNW Sample ID 2102TNW0095.0561

Date Received: 2/5/2021

Date Reported: 2/9/2021

Cient License #: n/a

BSV Distribution

Sample Name: Oral Tincture FS 3000 mg/oz 584005

Matrix: Edibles & Topicals

Pretransfer Inventory ID NMQA

Leaf Inventory ID NMQA

POTENCY			Method HPLC WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Δ9 THC	21.90	mg/oz	n/a	n/a
Δ8 THC	<7.26	mg/oz	n/a	n/a
THCA	<7.26	mg/oz	n/a	n/a
CBD	3138.03	mg/oz	n/a	n/a
CBDA	<7.26	mg/oz	n/a	n/a
CBN	<7.26	mg/oz	n/a	n/a
CBC	12.17	mg/oz	n/a	n/a
THCV	<7.26	mg/oz	n/a	n/a
CBGA	<7.26	mg/oz	n/a	n/a
CBG	19.47	mg/oz	n/a	n/a
Total THC	21.90	mg/oz	n/a	n/a
Total CBD	3138.03	mg/oz	n/a	n/a
Total Cannabinoids	3191.57	mg/oz	n/a	n/a
Total Cannabinoids uc	3191.57	mg/oz	n/a	n/a

WATER ACTIVITY			Method Hygrometer WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Water Activity	n/a	aW	<0.65	n/a

RESIDUAL SOLVENTS			Method GC-MS HS WSLCB		
Parameter	Result	Units	Limits	Pass/Fail	LLQ
Propane	n/a	ppm	5000	n/a	50
Butanes	n/a	ppm	5000	n/a	50
Methanol	n/a	ppm	3000	n/a	100
Pentanes	n/a	ppm	5000	n/a	50
Acetone	n/a	ppm	5000	n/a	50
Isopropanol	n/a	ppm	5000	n/a	100
Dichloromethane	n/a	ppm	600	n/a	50
Hexane	n/a	ppm	290	n/a	50
Ethyl Acetate	n/a	ppm	5000	n/a	50
Chloroform	n/a	ppm	2	n/a	2
Cyclohexane	n/a	ppm	3880	n/a	50
Benzene	n/a	ppm	2	n/a	2
Heptane	n/a	ppm	5000	n/a	50
Toluene	n/a	ppm	890	n/a	50
Total Xylenes	n/a	ppm	2170	n/a	50
Total Residual Solvents	n/a	ppm			

MICROBIOLOGICAL			Method FDA BAM WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Bile-Tolerant Gram-Negative	n/a	CFU/g	<10,000	n/a
E. Coli	n/a	CFU/g	*	n/a
Salmonella	n/a	CFU/g	*	n/a

MOISTURE			Method Gravimetric WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Moisture	n/a	%	≤15	n/a

MYCOTOXINS			Method ELISA WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Aflatoxin	n/a	ppb	<20	n/a
Ochratoxin	n/a	ppb	<20	n/a

FOREIGN MATTER			Method Visual WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Stems	n/a	%	≤5	n/a
Other	n/a	%	≤2	n/a

Terpenes % by weight		Method GC-FID		
Parameter	Result	Parameter	Result	Unit
alpha-Pinene	n/a	Gamma Terpinene	n/a	%
Camphene	n/a	Terpinolene	n/a	%
beta-Myrcene	n/a	Linalool	n/a	%
beta-Pinene	n/a	Isopulegol	n/a	%
delta-3-Carene	n/a	Geraniol	n/a	%
alpha-Terpinene	n/a	beta-Caryophyllene	n/a	%
Ocimene	n/a	alpha-Humulene	n/a	%
D-Limonene	n/a	Nerolidol 1, 2	n/a	%
p-Cymene	n/a	Guaiol	n/a	%
beta-Ocimene	n/a	Caryophyllene Oxide	n/a	%
1,8-Cineole (Eucalyptol)	n/a	alpha-Bisabolol	n/a	%
Total Terpenes	n/a		n/a	%

Total THC
21.90

Total CBD
3138.03

Total Cannabinoids
3191.57

Microbials
n/a

Mycotoxins
n/a

KEY:

- "nd" = Not Detected
- "n/a" = Not Applicable-Any Amount Is Acceptable
- "TNTC" = Too Numerous To Count
- "ip" Indicates That Interference Prevents Determination.
- "uc" = unconverted THCA & CBDA
- ** = Non-Detect In 1 gm of Sample

- "Q" = Analyte was positively identified. The reported result is an estimate.
- "H" = Possible coelution

Signed by: Jamie Deyman
Title: President

This report was reviewed & approved by:

Jamie L Deyman



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Lic # 0006

Testing results are a certified scientific examination of a single sample, as identified by the Sample ID, provided by the Producer/Processor. True Northwest Laboratory and its staff did not observe or participate in the sample selection process and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The results pertain only to the sample tested and no other sample. All methods have been certified by the WSLCB.



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Certificate Of Analysis

BSV Distribution

TNW Sample ID 2102TNW0112.681

Oral Tincture FS 3000 mg/oz
Sample Name: 584005

Date Received: 2/11/2021

Matrix: Concentrate Pesticides Only

Date Reported: 2/19/2021

Pretransfer Inventory ID NMQA

Cient License #: n/a

Leaf Inventory ID NMQA

POTENCY			Method HPLC WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Δ9 THC	n/a	%	n/a	n/a
Δ8 THC	n/a	%	n/a	n/a
THCA	n/a	%	n/a	n/a
CBD	n/a	%	n/a	n/a
CBDA	n/a	%	n/a	n/a
CBN	n/a	%	n/a	n/a
CBC	n/a	%	n/a	n/a
THCV	n/a	%	n/a	n/a
CBGA	n/a	%	n/a	n/a
CBG	n/a	%	n/a	n/a
Total LCB THC	n/a	%	n/a	n/a
Total LCB CBD	n/a	%	n/a	n/a
Total LCB Cannabinoids (THC/CBD)	n/a	%	n/a	n/a
Total Cannabinoids uc	n/a	%	n/a	n/a

WATER ACTIVITY			Method Hygrometer WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Water Activity	n/a	aW	<0.65	n/a

RESIDUAL SOLVENTS			Method GC-MS HS WSLCB		
Parameter	Result	Units	Limits	Pass/Fail	LLQ
Propane	nd	ppm	5000	Pass	50
Butanes	nd	ppm	5000	Pass	50
Methanol	nd	ppm	3000	Pass	100
Pentanes	nd	ppm	5000	Pass	50
Acetone	nd	ppm	5000	Pass	50
Isopropanol	nd	ppm	5000	Pass	100
Dichloromethane	nd	ppm	600	Pass	50
Hexane	nd	ppm	290	Pass	50
Ethyl Acetate	nd	ppm	5000	Pass	50
Chloroform	nd	ppm	2	Pass	2
Cyclohexane	nd	ppm	3880	Pass	50
Benzene	nd	ppm	2	Pass	2
Heptane	nd	ppm	5000	Pass	50
Toluene	nd	ppm	890	Pass	50
Total Xylenes	nd	ppm	2170	Pass	50
Total Residual Solvents	nd	ppm			

MICROBIOLOGICAL			Method FDA BAM WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Bile-Tolerant Gram-Negative	n/a	CFU/g	<10,000	n/a
E. Coli	n/a	CFU/g	*	n/a
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MOISTURE			Method Gravimetric WSLCB	
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MYCOTOXINS			Method ELISA WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Aflatoxin	n/a	ppb	<20	n/a
Ochratoxin	n/a	ppb	<20	n/a

FOREIGN MATTER			Method Visual WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Stems	n/a	%	≤5	n/a
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Terpenes % by weight		Method GC-FID		
Parameter	Result	Parameter	Result	Unit
alpha-Pinene	n/a	Gamma Terpinene	n/a	%
Camphene	n/a	Terpinolene	n/a	%
beta-Myrcene	n/a	Linalool	n/a	%
beta-Pinene	n/a	Isopulegol	n/a	%
delta-3-Carene	n/a	Geraniol	n/a	%
alpha-Terpinene	n/a	beta-Caryophyllene	n/a	%
Ocimene	n/a	alpha-Humulene	n/a	%
D-Limonene	n/a	Nerolidol 1, 2	n/a	%
p-Cymene	n/a	Guaiol	n/a	%
beta-Ocimene	n/a	Caryophyllene Oxide	n/a	%
1,8-Cineole (Eucalyptol)	n/a	alpha-Bisabolol	n/a	%
Total Terpenes			n/a	%

Total THC
n/a

Total CBD
n/a

Total Cannabinoids
n/a

Microbials
n/a

Mycotoxins
n/a

KEY:

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DRAGON ANALYTICAL LABORATORY



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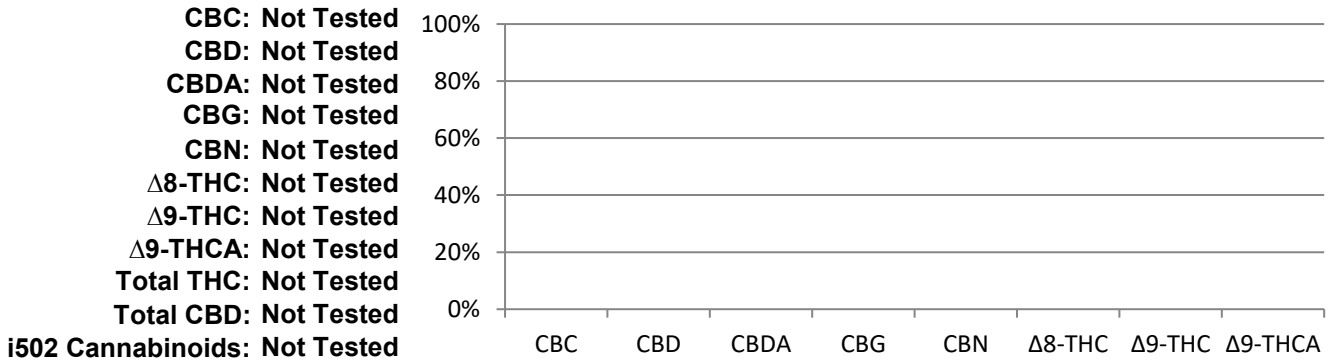
Drinking Water, Cannabis, Soil, Hazardous Waste, NPDES Permitting, Microbiology, Mobile Laboratory, Radioactivity

Client: True Northwest, Inc
4139 Libby Road NE
Olympia, WA 98506
License No.: WAL06

Sample: 681
Sample #: 681
Sample Type: Cannabis Concentrate
Date & Time Recieved: 2/12/2021; 13:00

CANNABINOID PROFILE % (Not Tested)

Method DAL 502-2031; Analyzed: n/a



MICROBIOLOGICAL ANALYSIS CFU/g (Not Tested)

Bile Tolerant Gram Negative Bacteria: n/a Method DAL 502-1010; Analyzed: n/a
E.coli: n/a Method DAL 502-1020; Analyzed: n/a
Salmonella: n/a Method DAL 502-1030; Analyzed: n/a

MYCOTOXINS ANALYSIS µg/kg (Not Tested)

Aflatoxin: n/a Method DAL 502-1040; Analyzed: n/a
Ochratoxin: n/a Method DAL 502-1040; Analyzed: n/a

PHYSICAL ANALYSIS (Not Tested)

Moisture Content (%): n/a Method DAL 502-200; Analyzed: n/a
Water Activity (a_w): n/a Method DAL 502-300; Analyzed: n/a
Stems >3mm (%): n/a Method DAL 502-100; Analyzed: n/a
Foreign Matter Inspection (%): n/a Method DAL 502-100; Analyzed: n/a

METALS µg/5 grams (Pass)

Arsenic=nd Cadmium=nd Lead=nd Mercury=nd
Method DAL 502-3010; Date Analyzed: 02/17/2021

PESTICIDES (Pass)

See Pesticides Results Page

RESIDUAL SOLVENTS (Not Tested)

Method DAL 502-2010; Not Tested

TERPENES (Not Tested)

Method DAL 502-2090; Not Tested

Tim McCall, Laboratory Director

Notes: Sampling protocols per WAC 314-55-101. Results provided apply only to the items listed. Unless otherwise noted all reported values are within the range and limitations of the applicable analytical method.



DRAGON ANALYTICAL LABORATORY



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Drinking Water, Cannabis, Soil, Hazardous Waste, NPDES Permitting, Microbiology, Mobile Laboratory, Radioactivity

Client: True Northwest, Inc
4139 Libby Road NE
Olympia, WA 98506
License No.: WAL06

Sample: 681
Sample #: 681
Sample Type: Cannabis Concentrate
Date & Time Received: 2/12/2021; 13:00

PESTICIDES mg/kg (Pass) **Method DAL 502-2055;**
02/16/2021 **Analyzed:**

Abamectin	nd	Dimethoate	nd	Naled	nd
Acephate	nd	Ethoprophos	nd	Oxamyl	nd
Acequinocyl	nd	Etofenprox	nd	Paclbutrazol	nd
Acetamiprid	nd	Etoxazole	nd	Permethrins	nd
Aldicarb	nd	Fenoxycarb	nd	Phosmet	nd
Azoxystrobin	nd	Fenpyroximate	nd	Piperonyl Butoxide	nd
Bifentzate	nd	Fipronil	nd	Prallethrin	nd
Bifenthrin	nd	Flonicamid	nd	Propiconazole	nd
Boscalid	nd	Fludioxonil	nd	Propoxur	nd
Carbaryl	nd	Hexythiazox	nd	Pyrethrins	nd
Carbofuran	nd	Imazalil	nd	Pyridaben	nd
Chlorantraniliprole	nd	Imidacloprid	nd	Spinosad	nd
Chlorfenapyr	nd	Kresoxim Methyl	nd	Spiromesifen	nd
Chlorpyrifos	nd	Malathion	nd	Spirotetramat	nd
Clofentezine	nd	Metalaxyl	nd	Spiroxamine	nd
Cyfluthrin	nd	Methiocarb	nd	Tebuconazole	nd
Cypermethrin	nd	Methomyl	nd	Thiacloprid	nd
Daminozide	nd	Methyl Parathion	nd	Thiamethoxam	nd
DDVP Dichlorvos	nd	MGK 264	nd	Trifloxystrobin	nd
Diazinon	nd	Myclobutanil	nd		

TERPENES % (Not Tested) **Method DAL 502-2090; Not Tested**

α-Bisabolol	n/a	β-Eudesmol	n/a	α-Pinene	n/a
Borneol (1-borneol)	n/a	Fenchone	n/a	β-Pinene	n/a
Camphene	n/a	Geraniol	n/a	Piperidone	n/a
Camphor	n/a	Guaiol	n/a	Phytol	n/a
Carene (Δ-3-Carene)	n/a	Humulene (α-Caryophyllene)	n/a	Pulegone	n/a
Caryophyllene Oxide	n/a	Isopulegol	n/a	α-Terpinene	n/a
β-Caryophyllene	n/a	Linalool	n/a	γ-Terpinene	n/a
Cineole	n/a	Δ-Limonene	n/a	Terpinolene	n/a
Citral	n/a	Menthol	n/a	α-Terpineol	n/a
Citronellol	n/a	Myrcene	n/a	Valencene	n/a
Cymene	n/a	Nerolidol	n/a		
Dihydrocarveol	n/a	Ocimene	n/a		

RESIDUAL SOLVENTS mg/kg (Not Tested) **Method DAL 502-2010; Not Tested**

Acetone	n/a	Hexane	n/a	Pentane	n/a
Butane	n/a	Isobutane	n/a	Propane	n/a
Ethanol	n/a	Isopropanol	n/a		
Heptane	n/a	Naphtha	n/a		

Tim McCall

Tim McCall, Laboratory Director

Notes: Sampling protocols per WAC 314-55-101. Results provided apply only to the items listed. Unless otherwise noted all reported values are within the range and limitations of the applicable analytical method.