



True Northwest, Inc.
Scientists You Can Talk To

Certificate Of Analysis

ALL THE BEST PETCARE

TNW Sample ID 2103TNW0291.1807

Wisely Standard Potency CBD Lot#

Sample Name: wifc9006001012

Date Received: 3/26/2021

Matrix: Edibles & Topicals

Date Reported: 3/30/2021

Pretransfer Inventory ID NMQA

Cient License #: NMQA

Leaf Inventory ID NMQA

POTENCY			Method HPLC	
Parameter	Result	Units	WSLCB	Pass/Fail
Δ9 THC	0.90	mg/ml	n/a	n/a
Δ8 THC	<0.03	mg/ml	n/a	n/a
THCA	<0.03	mg/ml	n/a	n/a
CBD	14.40	mg/ml	n/a	n/a
CBDA	0.20	mg/ml	n/a	n/a
CBN	<0.03	mg/ml	n/a	n/a
CBC	0.50	mg/ml	n/a	n/a
THCV	<0.03	mg/ml	n/a	n/a
CBGA	<0.03	mg/ml	n/a	n/a
CBG	0.30	mg/ml	n/a	n/a
Total LCB THC	0.90	mg/ml	n/a	n/a
Total LCB CBD	14.60	mg/ml	n/a	n/a
Total LCB Cannabinoids (THC/CBD)	15.50	mg/ml	n/a	n/a
Total Cannabinoids uc	16.40	mg/ml	n/a	n/a

MICROBIOLOGICAL			Method FDA BAM	
Parameter	Result	Units	WSLCB	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	
Parameter	Result	Units	WSLCB	Pass/Fail
Moisture	n/a	%	≤15	n/a

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

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

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

RESIDUAL SOLVENTS			Method GC-MS HS		
Parameter	Result	Units	WSLCB	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			

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

0.90

Total CBD

14.60

Total Cannabinoids

16.40

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



True Northwest, Inc.
Scientists You Can Talk To

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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.

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



Sample: **1012**

#COC/INVOICE: **4403**

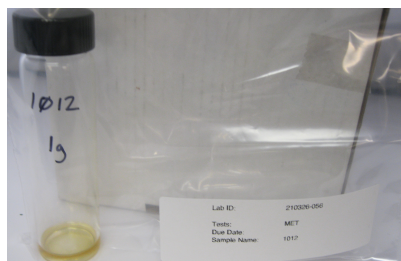
Laboratory ID 210326-056	Matrix Tincture	Batch ID	Inventory ID
Tested for True Northwest	Address 4139 Libby Rd Olympia, WA 98506		License
Received 03/26/2021			Reported 03/30/2021

Analyses executed **MET**

MET - Heavy Metals Detection Analysis

Analyzed **Mar 30, 2021** | Instrument **ICP-MS**

Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g	Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g
Arsenic (As)	0.21	0.69	ND	10	Cadmium (Cd)	0.08	0.26	ND	4.1
Lead (Pb)	0.21	0.71	ND	6	Mercury (Hg)	0.08	0.27	ND	2



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



Authorized Signature

Kyle Shelton

Kyle Shelton
Lab Manager
03/30/2021



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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: 1012
Sample #: n/a
Sample Type: Cannabis Tincture
Date & Time Received: 3/26/2021; 15:48

PESTICIDES mg/kg (Pass)		Method DAL 502-2055; 03/31/2021		Analyzed:	
Abamectin	nd	Dimethoate	nd	Naled	nd
Acephate	nd	Ethoprophos	nd	Oxamyl	nd
Acequinocyl	nd	Etofenprox	nd	Paclobutrazol	nd
Acetamiprid	nd	Etoazole	nd	Permethrins	nd
Aldicarb	nd	Fenoxycarb	nd	Phosmet	nd
Azoxystrobin	nd	Fenpyroximate	nd	Piperonyl Butoxide	nd
Bifentate	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	Guaial	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.