

**Client: Wildflower**  
 Client Address: 2018 Iron St Suite B  
 City: Bellingham  
 License Number: License #: 412073  
 Matrix: Topical  
 External ID: n/a  
**Sample ID: n/a**  
**Laboratory ID: n/a**  
**Sample Name: CURCUMIN R**



**True Northwest, Inc.**  
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TNW Tracking Number: TN181207-2

Date Received: 12/7/2018

Date Reported: 12/11/2018

## Certificate of Analysis

POTENCY			Method HPLC WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Δ9 THC	2	mg/g	n/a	n/a
THCA	0.1	mg/g	n/a	n/a
CBD	21.74	mg/g	n/a	n/a
CBDA	<0.03	mg/g	n/a	n/a
CBN	0.26	mg/g	n/a	n/a
CBC	<0.03	mg/g	n/a	n/a
THCV	<0.03	mg/g	n/a	n/a
CBGA	<0.03	mg/g	n/a	n/a
CBG	0.14	mg/g	n/a	n/a
Total THC	2	mg/g	n/a	n/a
Total CBD	21.74	mg/g	n/a	n/a
Total LCB Cannabinoids (THC/CBD)	23	mg/g	n/a	n/a

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

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	Qualifier
Propane	n/a	ppm	5000	n/a	
Butanes	n/a	ppm	5000	n/a	
Methanol	n/a	ppm	3000	n/a	
Pentanes	n/a	ppm	5000	n/a	
Acetone	n/a	ppm	5000	n/a	
Isopropanol	n/a	ppm	5000	n/a	
Dichloromethane	n/a	ppm	600	n/a	
Hexane	n/a	ppm	290	n/a	
Ethyl Acetate	n/a	ppm	5000	n/a	
Chloroform	n/a	ppm	2	n/a	
Cyclohexane	n/a	ppm	3880	n/a	
Benzene	n/a	ppm	2	n/a	
Heptane	n/a	ppm	5000	n/a	
Toluene	n/a	ppm	890	n/a	
Total Xylenes	n/a	ppm	2170	n/a	
Total Residual Solvents	n/a	ppm			

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

Title: Lab Director

*Janice L Deyman*

This report was reviewed & approved by:

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.