



True Northwest, Inc.
Scientists You Can Talk To

Certificate Of Analysis

Pumphrey Farms LLC

TNW Sample ID 2011TNW0757.4412

Sample Name: Orange Glaze

Date Received: 11/18/2020

Matrix: Hemp

Date Reported: 11/23/2020

Pretransfer Inventory ID NMQA

Cient License #: n/a

Leaf Inventory ID NMQA

POTENCY			Method HPLC WSLCB	
Parameter	Result	Units	Limits	Pass/Fail
Δ9 THC	<0.03	%	n/a	n/a
Δ8 THC	<0.03	%	n/a	n/a
THCA	0.68	%	n/a	n/a
CBD	0.08	%	n/a	n/a
CBDA	19.35	%	n/a	n/a
CBN	<0.03	%	n/a	n/a
CBC	<0.03	%	n/a	n/a
THCV	<0.03	%	n/a	n/a
CBGA	0.29	%	n/a	n/a
CBG	0.04	%	n/a	n/a
Total LCB THC	<0.03	%	n/a	n/a
Total LCB CBD	17.05	%	n/a	n/a
Total LCB Cannabinoids (THC/CBD)	17.05	%	n/a	n/a
Total Cannabinoids uc	20.43	%	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
<0.03

Total CBD
17.05

Total Cannabinoids
20.43

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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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.