



# Populum Cold Therapy Rub

# Ministry of Hemp

Test Result UID: **ANL0034554**

Lot Inventory ID:

Lab Inventory ID:

Date Tested: 05/11/2020

Serving Size: 1 Tube (3 fl oz) = 90.0 g



## Summary

<b>167.37 mg/s</b> Total Cannabinoids	<b>Pass</b> Microbial	<b>Not Tested</b> Mycotoxins	<b>Not Tested</b> Residual Solvents	<b>Not Tested</b> Pesticides	<b>Not Tested</b> Heavy Metals
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## Cannabinoids

Testing method: HPLC-SOP 0011

Analyte	LOD	LOQ	Mass	Mass
Δ9-THC-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THC	0.000 mg/g	0.001 mg/g	0.065 mg/g	5.860 mg/s
Δ9-THCV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ8-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBN	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD	0.000 mg/g	0.001 mg/g	1.565 mg/g	140.842 mg/s
CBDV-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBDV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG	0.000 mg/g	0.001 mg/g	0.037 mg/g	3.341 mg/s
CBC	0.000 mg/g	0.001 mg/g	0.192 mg/g	17.325 mg/s

**5.86 mg/s**  
Total THC

**140.84 mg/s**  
Total CBD

## Terpenes

Testing method: HSGCFID-SOP 0030

Analyte	LOD	LOQ	Mass	Mass
α-Pinene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
β-Pinene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Myrcene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Ocimene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Limonene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Terpinolene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Linalool	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Caryophyllene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Humulene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s

**ND mg/s**  
Total Terpenes

<b>Not Tested</b> Moisture SOP-0009	<b>Not Tested</b> Water Activity SOP-0053	<b>Not Tested</b> Foreign Matter SOP-0010
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Total THC = Δ9-THC-A \* 0.877 + Δ9-THC  
 Total CBD = CBD-A \* 0.877 + CBD  
 LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected  
 The values reported pertain only to the product tested.



Analytical 360, LLC certifies that the results presented are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Reference Lab  
 Analytical 360, LLC subcontracts the following assays:  
 Mycotoxins and Pesticides performed by Praxis Laboratory (WSLCB Lab #0020)  
 Pesticides and Heavy Metals performed by Medicine Creek Analytics (WSLCB Lab #0018)

Approved By

*Paul D. Matthews, Ph.D.*

Paul Matthews, Ph.D.  
Executive Lab Director / Chief Science Officer



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## Microbial Testing method: PLATE-SOP 0007

Analyte	LOD	LOQ	Action Level	Mass	Status
Bile-Tolerant Gram Negative Bacteria	20 CFU/g	85 CFU/g	1000 CFU/g	ND CFU/g	Pass
Salmonella spp.	-	-	Any Detected in 1 g		Pass
Escherichia coli	-	-	Any Detected in 1 g		Pass
Total Aerobic Bacteria	170 CFU/g	850 CFU/g	No Limit	NT	
Total Yeast and Mold	170 CFU/g	850 CFU/g	No Limit	NT	
Total Coliforms	20 CFU/g	85 CFU/g	No Limit	NT	

## Mycotoxins Testing method: ELISA-SOP 0054

Analyte	LOD	LOQ	Action Level	Mass	Status
Aflatoxins B1, B2, G1, G2	0.1 ppb	1.0 ppb	20 ppb	NT	NT
Ochratoxin A	0.1 ppb	1.0 ppb	20 ppb	NT	NT

## Heavy Metals Testing method: ICPMS-SOP 0055

Analyte	LOD	LOQ	Action Level	Mass	Status
Arsenic	0.02 ug/5g	0.06 ug/5g	10 ug/5g	NT	NT
Cadmium	0.01 ug/5g	0.04 ug/5g	4.1 ug/5g	NT	NT
Lead	0.01 ug/5g	0.02 ug/5g	6 ug/5g	NT	NT
Mercury	0.02 ug/5g	0.07 ug/5g	2 ug/5g	NT	NT

Washington State I-502 Recreational Marijuana Microbial / Mycotoxins Action Levels

Counts not to exceed:

- 1,000 CFU/g Bile-Tolerant Gram Negative Bacteria for solvent extracts and edibles
- 10,000 CFU/g Bile-Tolerant Gram Negative Bacteria for flower, hash and kief
- *E coli* and *Salmonella* **not detected** in one gram for all products
- 20 ppb for Aflatoxins B1, B2, G1, G2, and Ochratoxin A for all products

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected  
CFU/g = Colony Forming Units Per Gram; ppm = Parts per Million; ppb = Parts per Billion  
TNTC = Too Numerous To Count

The values reported pertain only to the product tested.

**Pass**  
Microbial

**Not Tested**  
Mycotoxins

**Not Tested**  
Heavy Metals



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