populum

Your Lab Results are Ready

At Populum, we started with a mission of quality and transparency. We hold ourselves to the highest standard by conducting multiple in-house and third-party lab tests to ensure the quality of our products. For every batch we produce, we test for toxins and to certify its concentration.

To obtain an official copy of the third-party report, please scan the QR code below or contact us at **support@populum.com**

Test conducted by Analytical 360.

How to read your lab result

- **Full-spectrum:** Hemp extracts that contain multiple cannabinoids & terpenes. In addition to CBD, there are are many other cannabinoids, such as cannabigerol (CBG), cannabinol (CBN), cannabichromere (CBC), and terpenes. These compounds are known to work together to provide an entourage effect.
- **Cannabinoids:** A group of chemical compounds extracted from hemp. Examples are CBD, CBG, CBN, CBC, and hundreds of others.
- **Terpenes:** Aromatic essential oils that are naturally occuring in hemp plants.
- **Mycotoxin:** Toxic byproducts of fungi that can cause disease and death in humans. Lab tests ensure that both aflatoxins and ochratoxins are non-detectable.
- **Residual Solvents:** Also known as volatice organic compounds (VOCs), these are FDA regulated solvents for dietary products that can cause harmful exposure for humans. Lab tests ensure levels are non-detectable.

UID Number: ANL0030119
Tested on: 12/02/2019

Populum 250mg Certificate of Analysis

These test results are the final formulation in your bottle. We test the potency of the active ingredients from the batch ('lot') your bottle was taken from after we mix the other ingredients in (like grapeseed oil & orange oil). This ensures that your bottle has the potency marked on the label.

Cannabinoid Profile & Potency	Result	Units
Cannabidiol (CBD)	9.25	mg/g
Delta-9-Tetrahydrocannabinol (THC)*	1.49	mg/g
Cannabigerol (CBG)	0.58	mg/g
Cannabigerolic acid (CBGA)	< 0.01	mg/g
Cannabinol (CBN)	< 0.01	mg/g
Cannabichromene (CBC)	2.20	mg/g
Total Activated Cannabinoids	**14.10**	**mg/g**

Terpene Profile	Result	Units
Alpha Pinene	0.15	mg/g
Beta Pinene	0.12	mg/g
Myrcene	0.85	mg/g
Limonene	23.94	mg/g

** This product contains less than 0.3% THC per hemp regulation.*

Mycotoxin Testing	Result	Limit	Status
Total Aflatoxin	ND	< 20 ppb	Pass
Total Ochratoxin	ND	< 20 ppb	Pass

Residual Solvent Test	Status**	Limit	Units
Propane	ND	< 20	ppm
Isobutane	ND	< 20	ppm
Butane	ND	< 20	ppm
Acetone	ND	< 20	ppm
Toluene	ND	< 20	ppm
Pentane	ND	< 20	ppm
Isopropanol	ND	< 20	ppm
Hexane	ND	< 20	ppm
Heptane	ND	< 20	ppm
Methanol	ND	< 20	ppm
Acetonitrile	ND	< 20	ppm
Dichloromethane	ND	< 20	ppm
Ethyl Acetate	ND	< 20	ppm
Chloroform	ND	< 2	ppm
Cyclohexane	ND	< 20	ppm
Benzene	ND	< 2	ppm
Ethyl Benzene	ND	< 20	ppm
m + p Xylenes	ND	< 20	ppm
o Xylene	ND	< 20	ppm
Total Xylenes	ND	< 20	ppm
Total Solvents †		**< 20**	**ppm**

† Limit guidelines for residual solvents in Canada & Washington state are 5000 ppm .
*** ND: Non Detectable*

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- **Residual Solvents:** Also known as volatice organic compounds (VOCs), these are FDA regulated solvents for dietary products that can cause harmful exposure for humans. Lab tests ensure levels are non-detectable.

UID Number: ANL0028007
Tested on: 10/11/2019

Populum 500mg Certificate of Analysis

These test results are the final formulation in your bottle. We test the potency of the active ingredients from the batch ('lot') your bottle was taken from after we mix the other ingredients in (like grapeseed oil & orange oil). This ensures that your bottle has the potency marked on the label.

Cannabinoid Profile & Potency	Result	Units
Cannabidiol (CBD)	18.93	mg/g
Delta-9-Tetrahydrocannabinol (THC)*	1.81	mg/g
Cannabigerol (CBG)	0.94	mg/g
Cannabigerolic acid (CBGA)	< 0.01	mg/g
Cannabinol (CBN)	1.19	mg/g
Cannabichromene (CBC)	3.70	mg/g
Total Activated Cannabinoids	**27.77**	**mg/g**

Terpene Profile	Result	Units
Alpha Pinene	0.13	mg/g
Beta Pinene	0.08	mg/g
Myrcene	0.51	mg/g
Limonene	18.89	mg/g

** This product contains less than 0.3% THC per hemp regulation.*

Mycotoxin Testing	Result	Limit	Status
Total Aflatoxin	< 4 ppb	< 20 ppb	Pass
Total Ochratoxin	< 4 ppb	< 20 ppb	Pass

Residual Solvent Test	Status**	Limit	Units
Propane	ND	< 20	ppm
Isobutane	ND	< 20	ppm
Butane	ND	< 20	ppm
Acetone	ND	< 20	ppm
Toluene	ND	< 20	ppm
Pentane	ND	< 20	ppm
Isopropanol	ND	< 20	ppm
Hexane	ND	< 20	ppm
Heptane	ND	< 20	ppm
Methanol	ND	< 20	ppm
Acetonitrile	ND	< 20	ppm
Dichloromethane	ND	< 20	ppm
Ethyl Acetate	ND	< 20	ppm
Chloroform	ND	< 2	ppm
Cyclohexane	ND	< 20	ppm
Benzene	ND	< 2	ppm
Ethyl Benzene	ND	< 20	ppm
m + p Xylenes	ND	< 20	ppm
o Xylene	ND	< 20	ppm
Total Xylenes	ND	< 20	ppm
Total Solvents †		**< 20**	**ppm**

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*** ND: Non Detectable*

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- **Terpenes:** Aromatic essential oils that are naturally occuring in hemp plants.
- **Mycotoxin:** Toxic byproducts of fungi that can cause disease and death in humans. Lab tests ensure that both aflatoxins and ochratoxins are non-detectable.
- **Residual Solvents:** Also known as volatice organic compounds (VOCs), these are FDA regulated solvents for dietary products that can cause harmful exposure for humans. Lab tests ensure levels are non-detectable.

UID Number: ANL0030120
Tested on: 12/02/2019

Populum 1000mg Certificate of Analysis

These test results are the final formulation in your bottle. We test the potency of the active ingredients from the batch ('lot') your bottle was taken from after we mix the other ingredients in (like grapeseed oil & orange oil). This ensures that your bottle has the potency marked on the label.

Cannabinoid Profile & Potency	Result	Units
Cannabidiol (CBD)	37.01	mg/g
Delta-9-Tetrahydrocannabinol (THC)*	2.48	mg/g
Cannabigerol (CBG)	1.13	mg/g
Cannabigerolic acid (CBGA)	< 0.01	mg/g
Cannabinol (CBN)	< 0.01	mg/g
Cannabichromene (CBC)	4.16	mg/g
Total Activated Cannabinoids	**44.78**	**mg/g**

Terpene Profile	Result	Units
Alpha Pinene	0.14	mg/g
Beta Pinene	0.12	mg/g
Myrcene	0.77	mg/g
Limonene	23.17	mg/g

** This product contains less than 0.3% THC per hemp regulation.*

Mycotoxin Testing	Result	Limit	Status
Total Aflatoxin	ND	< 20 ppb	Pass
Total Ochratoxin	ND	< 20 ppb	Pass

Residual Solvent Test	Status**	Limit	Units
Propane	ND	< 20	ppm
Isobutane	ND	< 20	ppm
Butane	ND	< 20	ppm
Acetone	ND	< 20	ppm
Toluene	ND	< 20	ppm
Pentane	ND	< 20	ppm
Isopropanol	ND	< 20	ppm
Hexane	ND	< 20	ppm
Heptane	ND	< 20	ppm
Methanol	ND	< 20	ppm
Acetonitrile	ND	< 20	ppm
Dichloromethane	ND	< 20	ppm
Ethyl Acetate	ND	< 20	ppm
Chloroform	ND	< 2	ppm
Cyclohexane	ND	< 20	ppm
Benzene	ND	< 2	ppm
Ethyl Benzene	ND	< 20	ppm
m + p Xylenes	ND	< 20	ppm
o Xylene	ND	< 20	ppm
Total Xylenes	ND	< 20	ppm
Total Solvents †		**< 20**	**ppm**

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*** ND: Non Detectable*