

CERTIFICATE OF ANALYSIS | HEMP QUALITY ASSURANCE TEST



Sample Name:

**Arthridiol – Topical Gel –
3000mg**

Infused, Non-Inhalable

Date Issued:

12/07/2020



[s.com/sample_photos/201012T016.jpg](https://client.sclabs.com/sample_photos/201012T016.jpg)

Sample Details

Sample ID: 201012T016

Batch Number:

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Cultivator / Manufacturer

[Show Details](#)

Distributor / Tested For

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Cannabinoid Analysis - Summary

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Total THC: 0.0 mg/unit

Total CBD: 3097.200 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids: **3119.580 mg/unit**

Total Cannabinoids: **3118.170 mg/unit**

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN

Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8 -THC + CBL + CBN

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately?



Safety Analysis - Summary

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Δ^9 -THC per Unit: **Pass**

View Complete Test Results:

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Cannabinoid Analysis **Tested**

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Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

Summary

Total THC:

0.0 mg/unit

(Δ^9 -THC+0.877*THCa)

Total CBD:

3097.200 mg/unit

(CBD+0.877*CBDa)

Total Cannabinoids: ?

3118.170 mg/unit

Total CBG: 1.620 mg/unit

Total CBG (CBG+0.877*CBGa)

Total THCV: ND

Total THCV (THCV+0.877*THCVa)

Total CBC: 1.080 mg/unit

Total CBC (CBC+0.877*CBCa)

Total CBDV: 18.270 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

Cannabinoid Test Results | 10/14/2020

Result Views

Table

Pie Chart

Filter by:

Compound	LOD/LOQ (mg/g) [?]	Measurement Uncertainty (mg/g) [?]	Result (mg/g)	Result (%)
Cannabidiol (CBD)	0.004 / 0.011	±4.9452	103.240	10.3240
Cannabidivarin (CBDV)	0.002 / 0.007	±0.0319	0.609	0.0609
Cannabigerol (CBG)	0.002 / 0.005	±0.0034	0.054	0.0054
Δ 9 Tetrahydrocannabinol (Δ 9THC)	0.002 / 0.005	±0.0033	0.047	0.0047
Cannabichromene (CBC)	0.003 / 0.010	±0.0015	0.036	0.0036
Cannabicyclol (CBL)	0.003 / 0.008	N/A	<LOQ	<LOQ
Δ 8 Tetrahydrocannabinol (Δ 8THC)	0.01 / 0.02	N/A	ND	ND
Tetrahydrocannabinolic Acid (THCa)	0.001 / 0.002	N/A	ND	ND
Tetrahydrocannabivarin (THCV)	0.002 / 0.008	N/A	ND	ND
SUM OF CANNABINOIDS			103.986 mg/g	10.3986%

Compound	LOD/LOQ (mg/g) ?	Measurement Uncertainty (mg/g) ?	Result (mg/g)	Result (%)
Tetrahydrocannabivarinic Acid (THCVa)	0.002 / 0.005	N/A	ND	ND
Cannabidiolic Acid (CBDa)	0.001 / 0.003	N/A	ND	ND
Cannabidivarinic Acid (CBDVa)	0.001 / 0.003	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.002 / 0.006	N/A	ND	ND
Cannabinol (CBN)	0.001 / 0.004	N/A	ND	ND
Cannabichromenic Acid (CBCa)	0.001 / 0.004	N/A	ND	ND
SUM OF CANNABINOIDS			103.986 mg/g	10.3986%

Unit Mass: 30 GRAMS

Δ⁹-THC per Unit	1100 per-package limit	1.410 mg/unit	Pass
Total THC per Unit		0.0 mg/unit	
CBD per Unit		3097.200 mg/unit	

Total CBD per Unit	3097.200 mg/unit
Sum of Cannabinoids per Unit	3119.580 mg/unit
Total Cannabinoids per Unit	3118.170 mg/unit

Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannabinoids/>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannabis/>) determines the potency of a sample to aid in dosage considerations.

Notes

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COA ID: 201012T016-002

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Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.