

CERTIFICATE OF ANALYSIS | HEMP QUALITY ASSURANCE TEST



Sample Name:

**Arthridiol – Topical Stick –
3000mg**

Infused, Non-Inhalable

Date Issued:

12/07/2020



https://client.sclabs.com/sample_photos/201012T017.jpg

Sample Details

Sample ID: 201012T017

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: Not Detected

Total CBD: 3112.832 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: **3130.976 mg/unit**

Total Cannabinoids: **3130.976 mg/unit**

Sum of Cannabinoids = $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Total Cannabinoids = $(\Delta^9\text{-THC} + 0.877 * \text{THCa}) + (\text{CBD} + 0.877 * \text{CBDa}) + (\text{CBG} + 0.877 * \text{CBGa}) + (\text{THCV} + 0.877 * \text{THCVa}) + (\text{CBC} + 0.877 * \text{CBCa}) + (\text{CBDV} + 0.877 * \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately?



Safety Analysis - Summary

[View Full Results](#)

$\Delta^9\text{-THC}$ 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:

Not Detected

(Δ^9 -THC+0.877*THCa)

Total CBD:

3112.832 mg/unit

(CBD+0.877*CBDa)

Total Cannabinoids: ?

3130.976 mg/unit

Total CBG: ND

Total CBG (CBG+0.877*CBGa)

Total THCV: ND

Total THCV (THCV+0.877*THCVa)

Total CBC: 1.376 mg/unit

Total CBC (CBC+0.877*CBCa)

Total CBDV: 16.768 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

Cannabinoid Test Results | 10/15/2020

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	±4.6595	97.276	9.7276
Cannabidivarin (CBDV)	0.002 / 0.007	±0.0275	0.524	0.0524
Cannabichromene (CBC)	0.003 / 0.010	±0.0018	0.043	0.0043
Δ9 Tetrahydrocannabinol (Δ9THC)	0.002 / 0.005	N/A	ND	ND
Δ8 Tetrahydrocannabinol (Δ8THC)	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
Tetrahydrocannabivarinic Acid (THCVa)	0.002 / 0.005	N/A	ND	ND
Cannabidiolic Acid (CBDa)	0.001 / 0.003	N/A	ND	ND
SUM OF CANNABINOIDS			97.843 mg/g	9.7843%

Compound	LOD/LOQ (mg/g) [?]	Measurement Uncertainty (mg/g) [?]	Result (mg/g)	Result (%)
Cannabidivarinic Acid (CBDVa)	0.001 / 0.003	N/A	ND	ND
Cannabigerol (CBG)	0.002 / 0.005	N/A	ND	ND
Cannabigerolic Acid (CBGa)	0.002 / 0.006	N/A	ND	ND
Cannabicyclol (CBL)	0.003 / 0.008	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			97.843 mg/g	9.7843%

Unit Mass: 32 GRAMS

Δ⁹-THC per Unit	1100 per-package limit	ND	Pass
Total THC per Unit		ND	
CBD per Unit		3112.832 mg/unit	

Total CBD per Unit	3112.832 mg/unit
Sum of Cannabinoids per Unit	3130.976 mg/unit
Total Cannabinoids per Unit	3130.976 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 Notes:

COA amended, order detail information updated.

COA ID: 201012T017-003