

Test Certificate

Certificate ID: 19408

Client Sample ID: Terp Infused Solvent Free

Matrix: Concentrates/Extracts - Isolate

Date Received: 7/6/2017



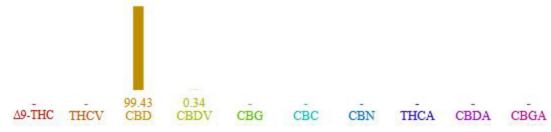
This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

Authorization: Chris Hudalla, Chief Science Officer	Signature: Christophen Hudalla	Date: 7/12/2017
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CN: Cannabinoid Profile & Potency [WI-10-04] Analyst: JDP Test Date: 7/10/2017

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

19408-CN



ID	Weight %	Conc.	
Δ9-THC	2	2	
THCV	F		
CBD	99.43 wt %	994.30 mg/g	
CBDV	0.34 wt %	3.35 mg/g	
CBG	the Property	100000010	
CBC	+	+	
CBN	2	27	
THCA	<u>D</u>	20	
CBDA	-	-	
CBGA	-	-	
Total	99.77 wt%	997.65 mg/g	
Max THC	22	2 0000	
Max CBD	99.43 wt%	994.30 mg/g	





Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC.

FM-10-10, Rev. 1, DCN:15-0003

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19408 erp Infused Solvent Free (Concentrates/Extracts - Isolate)

TP: Terpenes Profile [WI-10-08]

Analyst: CJH

Test Date: 7/6/2017

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

19408-TP

ppm	Quantitative Profil	<u>le</u>	Compound	ppm	Quantitat	ive Profile	
0			Terpineol				
			Camphene				
			Fenchone				
			B-pinene				
1			Eucalyptol	1			
			A-terpenine				
			3-carene				
			A-pinene				
3			Citral-1				
1			Citral-2				
			Limonene	1			
19			Citronellol				
2			Geraniol				
			Ocimene-2				
4			Ocimene-1				
			A-phellandrene*	0			
2			Terpinolene				
	10.00	20.00		0.00	10	.00	20.00
	1 3 19 2 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	Terpineol Camphene Fenchone B-pinene Eucalyptol A-terpenine 3-carene A-pinene Citral-1 Citral-2 Limonene 19 Citronellol Ocimene-2 Ocimene-1 A-phellandrene* Terpinolene	Terpineol Camphene Fenchone B-pinene Eucalyptol 1 A-terpenine 3-carene A-pinene Citral-1 Citral-2 Limonene 1 Citronellol Geraniol Ocimene-2 Ocimene-1 A-phellandrene* 0 Terpinolene m 0.00 10.00 20.00 0.00	Terpineol Camphene Fenchone B-pinene Eucalyptol 1 A-terpenine 3-carene A-pinene Citral-1 Citral-2 Limonene 1 Citronellol Geraniol Ocimene-2 Ocimene-1 A-phellandrene* Terpinolene m 0.00 10.00 20.00 0.00 10	Terpineol Camphene Fenchone B-pinene Eucalyptol 1 A-terpenine 3-carene A-pinene Citral-1 Citral-2 Limonene 1 Citronellol Geraniol Ocimene-2 Ocimene-1 A-phellandrene* Terpinolene m 0.00 10.00 20.00 0.00 10.00

^{*} Indicates qualitative calculation based on recorded peak areas.

VC: Analysis of Volatile Oranic Compounds [WI-10-07] An	alyst: CJH	Test Date: 7/7/2017
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The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

19408-VC

Compound	CAS	Amount 1	Limit 2	Status
Methano1	67-56-1	ND	3,000 ppm	PASS
Ethanol	64-17-5	23 ppm	5,000 ppm	PASS
Isopropanol	67-63-0	ND	5,000 ppm	PASS

¹⁾ ND = None detected above 5 ppm.

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In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16.
 Butane/Propane limits are based on limits established for state of Colorado.