

Certificate ID: **110714**

Received: **11/10/22**

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**ROSEBUD**

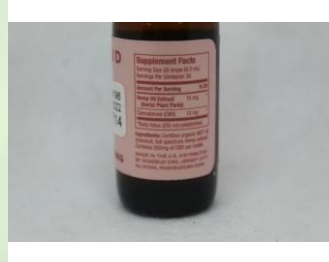
**CBD**

Client Sample ID: **Original Strength 350mg 0.5 ounce**

Lot Number: **6A**

Matrix: **Tincture/Infused Oil-MCT Oil**

Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 11/15/2022
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**

Analyst: *SD*

Test Date: *11/11/2022*

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

**110714-CN**

ID	Weight %	Concentration (mg/mL)			
<b>Δ9-THC</b>	<b>0.0632</b>	<b>0.586</b>			
THCV	ND	ND			
<b>CBD</b>	<b>2.97</b>	<b>27.6</b>			
CBDV	0.0167	0.155			
CBG	0.0472	0.438			
CBC	0.0975	0.905			
CBN	<LOQ	<LOQ			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
CBDVA	ND	ND			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
Total	3.19	29.6	0%	Cannabinoids (wt%)	2.97%
Max THC	0.0632	0.586		Limit of Quantitation (LOQ) = 0.0113 wt%	
Max CBD	2.97	27.6		Limit of Detection (LOD) = 0.0038 wt%	

**Ratio of Total CBD to THC 47.0:1**

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. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

**EA: Elemental Analysis [WI-10-13]**

Analyst: ZDV

Test Date: 11/14/2022

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.

**110714-EA**

Symbol	Metal	Conc. <sup>1</sup> (µg/kg)	RL (µg/kg)	Limits <sup>2</sup> (µg/kg)	Status
Al	Aluminum	260	50	-	
As	Arsenic	ND	50	200	PASS
Cd	Cadmium	ND	50	200	PASS
Ca	Calcium	ND	500	-	
Cr	Chromium	ND	50	300	PASS
Co	Cobalt	ND	50	300	PASS
Cu	Copper	111	50	3,000	PASS
Fe	Iron	657	50	-	
Pb	Lead	ND	50	500	PASS
Mg	Magnesium	ND	50	-	
Mn	Manganese	51.0	50	-	
Hg	Mercury	ND	50	100	PASS
Ni	Nickel	78.0	50	500	PASS
P	Phosphorus	ND	500	-	
K	Potassium	ND	500	-	
Se	Selenium	ND	50	-	
Ag	Silver	ND	50	700	PASS
S	Sulfur	194,000	500	-	
Sn	Tin	ND	500	6,000	PASS
Zn	Zinc	351	50	-	

1) ND = None detected to the Limit of Detection (LOD)

2) USP recommended maximum daily limits for inhalational drug product.

**MB1: Microbiological Contaminants [WI-10-09]**

Analyst: AEH

Test Date: 11/11/2022

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**110714-MB1**

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.



**TP: Terpenes Profile [WI-10-37]**

Analyst: CS

Test Date: 11/12/2022

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation or solvent extraction followed by gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

**110714-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile	
alpha-pinene	80-56-8	ND	ND		
camphene	79-92-5	ND	ND		
sabinene	3387-41-5	ND	ND		
beta-pinene	127-91-3	ND	ND		
beta-myrcene	123-35-3	ND	ND		
alpha-phellandrene	99-83-2	ND	ND		
delta-3-carene	13466-78-9	ND	ND		
alpha-terpinene	99-86-5	ND	ND		
p-cymene	99-87-6	ND	ND		
D-limonene	5989-27-5	ND	ND		
eucalyptol	470-82-6	ND	ND		
alpha-ocimene	502-99-8	ND	ND		
beta-ocimene	13877-91-3	ND	ND		
gamma-terpinene	99-85-4	ND	ND		
terpinolene	586-62-9	ND	ND		
L-fenchone	7787-20-4	ND	ND		
linalool	78-70-6	ND	ND		
isopulegol	89-79-2	ND	ND		
menthol	89-78-1	ND	ND		
geraniol	106-24-1	ND	ND		
beta-caryophyllene	87-44-5	ND	ND		
alpha-humulene	6753-98-6	ND	ND		
cis-nerolidol	3790-78-1	ND	ND		
trans-nerolidol	40716-66-3	ND	ND		
caryophyllene oxide	1139-30-6	ND	ND		
guaïol	489-86-1	0.0100	99.5		
alpha-bisabolol	23089-26-1	0.0146	146		

Total Terpene: &lt;0.1 wt%

\* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

**END OF REPORT**