


Certificate ID: **118985**  
 Received: **10/11/23**  
 Client Sample ID: **1500 mg Full Spectrum**  
 Lot Number: **SJ23002**  
 Matrix: **Tincture/Infused Oil-MCT Oil**

Scan QR Code for authenticity



**Redeem Therapeutics**  
**1566 Whiting Way**  
**Lugoff, SC 29078**

Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 10/16/2023
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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: 10/13/2023

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.

**118985-CN**

ID	Weight %	Concentration (mg/mL)			
<b>Δ9-THC</b>	<b>0.225</b>	<b>2.09</b>			
<b>THCV</b>	<b>ND</b>	<b>ND</b>			
<b>CBD</b>	<b>5.92</b>	<b>54.9</b>			
<b>CBDV</b>	<b>0.0383</b>	<b>0.355</b>			
<b>CBG</b>	<b>0.0590</b>	<b>0.548</b>			
<b>CBC</b>	<b>0.0947</b>	<b>0.879</b>			
<b>CBN</b>	<b>0.0297</b>	<b>0.276</b>			
<b>THCA</b>	<b>ND</b>	<b>ND</b>			
<b>CBDA</b>	<b>0.156</b>	<b>1.45</b>			
<b>CBGA</b>	<b>ND</b>	<b>ND</b>			
<b>CBDVA</b>	<b>ND</b>	<b>ND</b>			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
<b>Total</b>	<b>6.52</b>	<b>60.5</b>	<b>0%</b>	<b>Cannabinoids (wt%)</b>	<b>5.92%</b>
<b>Total THC</b>	<b>0.225</b>	<b>2.09</b>		<b>Limit of Quantitation (LOQ) = 0.0113 wt%</b>	
<b>Total CBD</b>	<b>6.06</b>	<b>56.2</b>		<b>Limit of Detection (LOD) = 0.00377 wt%</b>	

**Ratio of Total CBD to THC 26.9:1**

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:  $MAX\ THC = (0.877 \times THCA) + THC$ . 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.

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

Analyst: CS

Test Date: 10/11/2023

The sample was analyzed for terpenes (WI-10-37) utilizing solvent extraction followed by Gas Chromatography (GC) utilizing flame ionization detection (FID). Chromatographic data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

**118985-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.132	1,320	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.0934	934	
beta-myrcene	123-35-3	0.188	1,880	
alpha-phellandrene	99-83-2	0.0140	140	
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	0.0628	628	
eucalyptol	470-82-6	ND	ND	
beta-ocimene	13877-91-3	ND	ND	
gamma-terpinene	99-85-4	ND	ND	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
linalool	78-70-6	0.0381	381	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.187	1,870	
alpha-humulene	6753-98-6	0.125	1,250	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
caryophyllene oxide	1139-30-6	ND	ND	
guaial	489-86-1	0.00790	79.0	
alpha-bisabolol	23089-26-1	0.0765	765	

wt% 0.00 0.10 0.20

Total Terpene: 0.9 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**