


Certificate ID: **112808 (Reissued)**
 Client Sample ID: **Relief Cream**
 Lot Number: **10**
 Matrix: **Topicals-Salve**

Received: **1/17/23**

Scan QR Code for authenticity



Farmacology
161 Springfield Ave.
Rutherford, NJ 07070

Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 1/20/2023
--	--	--------------------



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: *1/18/2023*

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.

112808-CN

ID	Weight %	Concentration (mg/g)			
Δ^9 -THC	ND	ND			
THCV	ND	ND			
CBD	0.378	3.78			
CBDV	ND	ND			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
CBDVA	ND	ND			
Δ^8 -THC	ND	ND			
exo-THC	ND	ND			
Total	0.378	3.78	0%	Cannabinoids (wt%)	0.378%
Max THC	ND	ND		Limit of Quantitation (LOQ) = 0.0099 wt%	
Max CBD	0.378	3.78		Limit of Detection (LOD) = 0.0033 wt%	

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: 1/18/2023

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.

112808-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	0.474	4,740	
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	0.0822	822	
alpha-humulene	6753-98-6	0.406	4,060	
cis-nerolidol	3790-78-1	0.224	2,240	
trans-nerolidol	40716-66-3	0.323	3,230	
caryophyllene oxide	1139-30-6	ND	ND	
guaial	489-86-1	ND	ND	
alpha-bisabolol	23089-26-1	ND	ND	

wt% 0.00 0.25 0.50

Total Terpene: 1.5 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