



Certificate ID: **90745**

Received: **12/9/20**

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**Kevin McAloon**

**5 Drapeau St Suite #104**

**Biddeford, ME 04005**

**Attn: Kevin McAloon**

Client Sample ID: **20201005-A**

Lot Number:

Matrix: **Concentrates/Extracts - Rick Simpson Oil**

Authorization:  Lisa Harding, Lab Manager	Signature: 	Date:  12/15/2020
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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: AC

Test Date: 12/10/2020

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.

**90745-CN**

ID	Weight %	Concentration (mg/g)			
D9-THC	61.2	612			
THCV	0.346	3.46			
CBD	0.675	6.75			
CBDV	ND	ND			
CBG	4.06	40.6			
CBC	1.72	17.2			
CBN	0.264	2.64			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	0.204	2.04			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	68.4	684	0%	Cannabinoids (wt%)	61.2%
Max THC	61.2	612		Limit of Quantitation (LOQ) = 0.114 wt%	
Max CBD	0.675	6.75		Limit of Detection (LOD) = 0.0381 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 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 LOQ.

**TP: Terpenes Profile [WI-10-08]**

Analyst: AC

Test Date: 12/10/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and 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.

**90745-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0084	83.9	
camphene	79-92-5	0.0007	7.13	
myrcene	123-36-3	0.0613	613	
beta-pinene	127-91-3	0.0065	64.6	
3-carene	13466-78-9	0.0094	94.2	
alpha-terpinene	99-86-5	0.0023	23.0	
Ocimene-1	-	0.0007	6.79	
limonene	138-86-3	0.0487	487	
p-cymene	99-87-6	0.0007	7.38	
Ocimene-2	-	0.0084	84.3	
eucalyptol	470-82-6	0.0073	72.8	
gamma-terpinene	99-85-4	0.0055	54.8	
terpinolene	586-62-9	0.0273	273	
linalool	78-70-6	0.0896	896	
isopulegol	89-79-2	ND	ND	
beta-caryophyllene	87-44-5	0.508	5,080	
humulene	6753-98-6	0.171	1,710	

wt% 0.00 0.50 1.00

Total Terpene: 1.0 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**