

Certificate ID: **76032-86**

Received: **1/23/20**

Scan QR Code for authenticity

**NSA Holdings, LLC.**

Client Sample ID: **LE\_200014\_011620**




**359 Indian Creek Dr.**

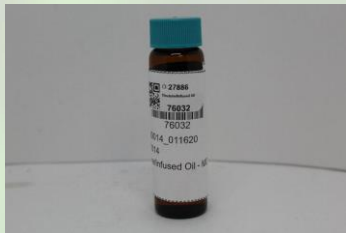
Lot Number: **LE200014**

**Levittown, PA 19057**

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

**Attn:**

Authorization: Jon Podgorni, Lead Research Chemist	Signature: 	Date: 2/19/2020
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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: **MAM**

Test Date: **1/27/2020**

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. Reissued to present replicate analysis data.

**76032-CN**

ID	Weight %	Concentration (mg/mL)			
D9-THC	0.24	2.26			
THCV	ND	ND			
CBD	11.12	103.97			
CBDV	0.04	0.41			
CBG	0.01	0.12			
CBC	0.20	1.90			
CBN	0.01	0.12			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	11.64	108.79	0%	Cannabinoids (wt%)	11.1%
Max THC	0.24	2.26			
Max CBD	11.12	103.97			

**Ratio of Total CBD to THC 45.9:1**

Limit of Quantitation (LOQ) = 0.01 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 half of LOQ.

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

Analyst: MM

Test Date: 1/24/2020

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.

**76032-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.

**END OF REPORT**