

## N.N. Analytics

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### Certificate of Analysis – CBD Pharm – Muscle Gel (Lot # 021120B)

Customer Name:	Product Name:	Lot Number:	Date of Sample Receipt:	Date of Analysis:
CBD Pharm	Muscle Gel	021120B	February 14 <sup>th</sup> , 2020	February 16 <sup>th</sup> , 2020
Analyte:	Description:	CAS Number:		
Cannabidiol (CBD) & Tetrahydrocannabinol (THC)	Cannabinoids from US-Grown Hemp	13956-29-1 (CBD) & 19720-08-3 (THC)		

Scope of Method:

**CBD Purity  
Testing by  
GC/MS:**

Sample is mixed thoroughly. For quantitative analysis of CBD, other cannabinoids, and its impurities, a 50mg to 500mg sample is taken and diluted at a minimum of 4:1 with methanol, capped, mixed, and injected into the GC/MS system. Analyte identification is confirmed by retention time, abundance, a parent ion, and 3 unique product ions. A standard curve is calculated daily from a minimum of 5 calibration levels for each analyte. Concentrations are determined by comparison of the sample to the known concentrations of the 5 calibration points.

Product Name:	Product Description:	Product Photo:
CBD Pharm Muscle Gel	Essence: Menthol / Capsicum / Organic Aloe Juice Package Type: Plastic Dispenser Quantity / Package: 1 Net Weight : ~50mL [CBD]: ~1000mg/container Lot Number: 201120B DOM: Unknown DOE: Unknown	

Characteristic:	Units:	CBD Pharm Specification:	Sample Results:
Appearance	N/A	Yellow to orange Amorphous Solid	<b>Yellow Amorphous Solid</b>
Total CBD	Abundance (Area %)	Theoretical [CBD]	<b>17.94mg/mL ± 1.794mg/mL</b>
Total THC	Abundance (Area %)	(Δ9-THC + Δ8-THC + THC-A) = < 0.3%	<b>ND</b>
Pass?	<b>Results are within specification:</b>		<b>PASS</b>

<LOD = Below limit of Detection / ND = Not Detected / 1ug/mL = 1ppm / 1000ug/mL = 1mg/mL

\*Denotes that results shown are from a sample that was retested for accuracy.

The above results are guaranteed accurate and precise to the best of our ability. Data has been checked and in accordance with N.N. Analytics' approved analytical protocols. I certify that all results in this report are adherent to this statement:

Analytical Technician(s):	Signature & Date:	Checked By:	Signature & Date:
D. Matthews	<i>D. Matthews</i> 02/17/2020	J. Rubenstein	<i>J. Rubenstein</i> 02/17/2020

**Notes:** Samples were received in good condition with factory seals intact. The checker's signature on this document is an assurance that the samples quantitated were verified to have met N.N. Analytics Inc.'s chain-of-custody requirements. This document was drafted in Microsoft Word, exported as an Adobe PDF, and digitally signed by the checker. It contains two pages.

**GC/MS  
VERIFIED**