

Certificate of Analysis

Company: Superior Nano	Sample ID: Superior Nano Ultra 6% Serum 00915MKC	
1313 Fairgrounds Rd Ste. 150	Lot: 00915MKC	Report Date: 10/9/2020
Two Harbors, MN 55616	Matrix: Other	Date Analyzed: 10/8/2020
Customer ID: 191212-0	Date Sampled: 9/22/2020	Analyst: SCG
Grower License #: NA	Date Received: 10/5/2020	Report ID: C201005AC

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	0.37	0.04
CBDA	0.0008	<LOQ	<LOQ
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	0.10	0.01
CBD	0.0019	59.53	5.95
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	<LOQ	<LOQ
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	<LOQ	<LOQ
Total THC		<LOQ	<LOQ
Total CBD		59.53	5.95
Total Cannabinoids		59.99	6.00

<LOQ

Total THC

5.95%

Total CBD

6.00%

Total Cannabinoids

<LOQ

Δ9-THC

N/A

Percent Moisture

N/A

THC : CBD Ratio

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group.

These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC} \quad \text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD}$$

Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.



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