CERTIFICATE OF ANALYSIS

OUTGOING PRODUCT

CANADIAN AMERICAN STANDARD HEMP

PRODUCT

Name: Citrus Vape

Batch #: CP41819-01

CBD Batch #: CC190073_RE

Testing Date: 05/03/2019

Manufacture Date: 04/18/2019

Expiration Date: 04/18/2020

Botanical Source:
Industrial hemp, grown and processed in USA in compliance with Section 7606 of the Farm Bill and applicable Rhode Island State Law and US Department of Agriculture regulations.

Product Description:
This product contains hemp derived crystalline CBD, isolated through cryo-ethanol extraction and solvent loss precipitation. It is then emulsified into a glycerin/ glycol base flavored with a terpene complex.

QUALITATIVE ANALYSIS

OBSERVATION	METHOD	RESULT
Product Weight (grams)	Ohaus Precision 4 Point	0.478 g
Foreign Matter	Gross Visual/Microscopic	Absent
Color	Gross Visual/Microscopic	Orange Translucent
Molds & Mildew	Gross Visual/Microscopic	Absent
Smell	Olfactory	Citrus
Product Feel	Tactile	Slick no grit

QUANTITATIVE ANALYSIS

IDENTIFICATION	METHOD	RESULT
Cannabinoid		%wt/wt
CBDA	HPLC-DAD	N/D
CBD	HPLC-DAD	52%
CBDV	HPLC-DAD	N/D
THCA	HPLC-DAD	N/D
D9 THC	HPLC-DAD	N/D
CBN	HPLC-DAD	N/D
CBC	HPLC-DAD	N/D

N/A NOT APPLICABLE TO PRODUCT TYPE
N/D NOT DETECTED

Total CBD per Unit
248.56 mg

Inspected and verified by Richard DeFedele CTO

Richard M. DeFedele, CTO

CONTACT US

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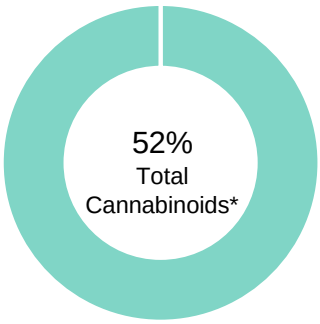
CERTIFICATE OF ANALYSIS

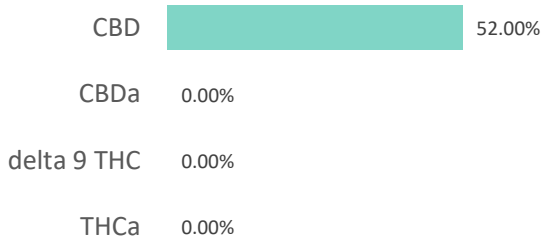
prepared for: CANADIAN AMERICAN STANDARD HEMP
11 ROYAL ROAD
BROOKLINE, MA 02445

Citrus Vape

Batch ID:	CP41819-01	**Test ID:**	1324064.0010
Reported:	3-May-2019	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.17	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.00	0.0
Cannabidiolic acid (CBDA)	0.14	0.00	0.0
Cannabidiol (CBD)	0.08	52.00	520.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	0.00	0.0
Cannabinolic Acid (CBNA)	0.23	0.00	0.0
Cannabinol (CBN)	0.10	0.00	0.0
Cannabigerolic acid (CBGA)	0.15	0.00	0.0
Cannabigerol (CBG)	0.08	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.14	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.07	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.13	0.00	0.0
Cannabidivarin (CBDV)	0.07	0.00	0.0
Cannabichromenic Acid (CBCA)	0.13	0.00	0.0
Cannabichromene (CBC)	0.15	0.00	0.0
Total Cannabinoids		**52.00**	**520.00**
Total Potential THC**		0.00	0.00
Total Potential CBD**		52.00	520.00

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

NOTES:
N/A

FINAL APPROVAL

Karen Winternheimer
3-May-2019
3:35 PM
PREPARED BY / DATE

Mike Branvold
3-May-2019
5:09 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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