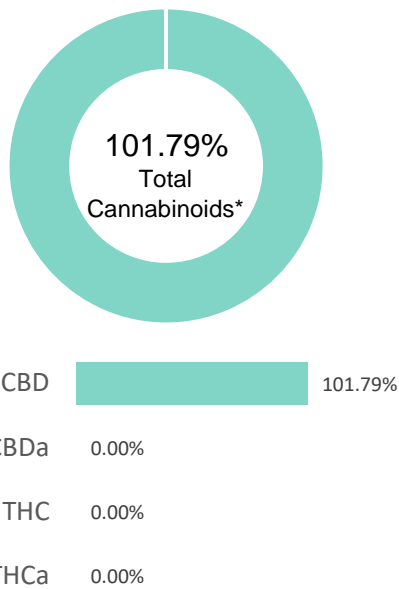


Isolate

Batch ID:	ASH001	Test ID:	6452619.005
Reported:	9-Aug-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.30	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.15	0.00	0.0
Cannabidiolic acid (CBDA)	0.44	0.00	0.0
Cannabidiol (CBD)	0.25	101.79	1017.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.17	0.00	0.0
Cannabinolic Acid (CBNA)	0.42	0.00	0.0
Cannabinol (CBN)	0.18	0.00	0.0
Cannabigerolic acid (CBGA)	0.27	0.00	0.0
Cannabigerol (CBG)	0.15	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVVA)	0.26	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.14	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.41	0.00	0.0
Cannabidivarin (CBDV)	0.22	0.00	0.0
Cannabichromenic Acid (CBCA)	0.23	0.00	0.0
Cannabichromene (CBC)	0.27	0.00	0.0
Total Cannabinoids		101.79	1017.90
Total Potential THC**		0.00	0.00
Total Potential CBD**		101.79	1017.90

NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

FINAL APPROVAL



 Daniel Weidensaul
 9-Aug-2019
 3:10 PM

PREPARED BY / DATE



 David Green
 9-Aug-2019
 3:17 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



Certificate #4329.02

Isolate

Batch ID:	ASH001	Test ID:	6633070.0011
Reported:	12-Aug-2019	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE

0.000%
Total
Terpenes


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.000	0
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	0.000%	0.00

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.000%

NOTES:

FINAL APPROVAL


Daniel Weidensaul
12-Aug-2019
10:13 AM


David Green
12-Aug-2019
10:25 AM

PREPARED BY / DATE

APPROVED BY / DATE

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Isolate

Batch ID:	ASH001	Test ID:	6094602.013
Reported:	9-Aug-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL


 Sam Smith
 9-Aug-2019
 1:05 PM


 David Green
 9-Aug-2019
 2:08 PM

PREPARED BY / DATE

APPROVED BY / DATE

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