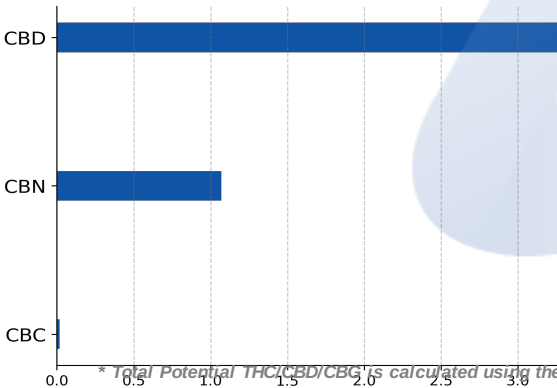
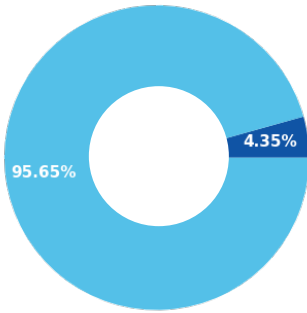


Blackberry Lavender 900CBD:300 CBN Broad Spectrum Tincture

Batch ID:	23HLW1501101	Received:	01/11/2023	Analysis:	18 Cannabinoid Potency
Sample Type:	Tincture	Analyzed:	01/17/2023	Method:	2021.18P.01
		Test ID:	6057	Equipment:	UHPLC

CANNABINOID PROFILE
TOTAL CANNABINOID CONTENT


Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	1.01e-02	3.06e-02	3.26 ± 0.088	32.63
Cannabigerol (CBG)	6.90e-03	2.08e-02	< LOD	< LOD
Δ9-Tetrahydrocannabinol (Δ9-THC)	6.70e-03	1.01e-02	ND	ND
Cannabicitran (CBT)	5.10e-03	1.55e-02	ND	ND
Cannabichromene (CBC)	5.30e-03	1.59e-02	0.02 ± 0.00047	0.17
Cannabinol (CBN)	3.90e-03	1.19e-02	1.07 ± 0.029	10.70
Cannabicyclol (CBL)	9.30e-03	2.80e-02	ND	ND
Cannabicyclic acid (CBLA)	2.90e-03	8.80e-03	ND	ND
Tetrahydrocannabivarin (THCV)	1.00e-02	3.04e-02	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	9.80e-03	2.97e-02	ND	ND
Cannabinolic (CBNA)	1.66e-02	5.02e-02	ND	ND
Tetrahydrocannabinolic Acid (THCVA)	6.10e-03	1.86e-02	ND	ND
Cannabigerolic acid (CBGA)	8.40e-03	2.56e-02	ND	ND
Cannabidiolic acid (CBDa)	5.70e-03	1.72e-02	ND	ND
Cannabidivarin (CBDV)	5.00e-03	1.53e-02	< LOQ	< LOQ
Tetrahydrocannabinolic Acid (THCA)	9.80e-03	2.97e-02	ND	ND
Cannabichromenic acid (CBCA)	1.58e-02	4.78e-02	ND	ND
Cannabidivarinic Acid (CBDVA)	5.30e-03	1.62e-02	ND	ND
Total Cannabinoid**			4.35	43.51
Total Potential THC*			ND	ND
Total Potential CBD*			3.26 ± 0.088	32.63
Total Potential CBG*			<LOD	<LOD

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

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

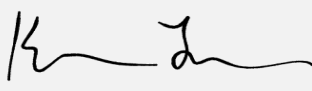


** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

		
Katie Little, Analytical Scientist 03:59 PM	Logan Cline, Director of Analytical Development 01/18/2023 09:24 AM	John Reser, Quality Analyst 01/18/2023 09:29 AM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

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Blackberry Lavender 900CBD:300 CBN Broad Spectrum Tincture

Batch ID:	23HLW1501101	Received:	01/11/2023	Analysis:	Residual Solvents
Sample Type:	Tincture	Analyzed:	01/17/2023	Method:	2021.RS.01
		Test ID:	6059	Equipment:	GCMS

RESIDUAL SOLVENTS

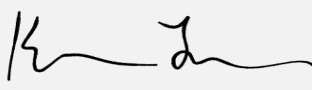


SOLVENT	REPORTABLE RANGE	RESULT (ppm)
Acetone	100 - 1000	*ND
Acetonitrile	100 - 1000	*ND
Benzene	0.2 - 4	*ND
Butanes	100 - 1000	*ND
Ethanol	100 - 1000	*ND
Ethyl Acetate	100 - 1000	*ND
Heptane	100 - 1000	*ND
Hexanes	6 - 120	*ND
Isopropyl Alcohol	100 - 1000	*ND
Methanol	100 - 1000	*ND
Pentanes	100 - 1000	*ND
Propane	100 - 1000	*ND
Toluene	18 - 360	*ND
Xylenes	43 - 860	*ND

*ND = Below Reportable Range

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

		
Katie Little, Analytical Scientist 02:58 PM	Logan Cline, Director of Analytical Development 01/17/2023 03:27 PM	John Reser, Quality Analyst 01/17/2023 03:30 PM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

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Blackberry Lavender 900CBD:300 CBN Broad Spectrum Tincture

Batch ID:	23HLW1501101	Received:	01/11/2023	Analysis:	Quantitative Microbial Panel - CO Compliance
Sample Type:	Tincture	Analyzed:	01/20/2023	Method:	2022.QMP.01
		Test ID:	6058	Equipment:	qPCR + Culture Plating

QUANTITATIVE MICROBIAL PANEL - CO COMPLIANCE

CONTAMINANT	METHOD	LOD	QUANTITATIVE RANGE	RESULT
Total Yeast and Mold	Culture Plating	1.0E+02	1.0E+03-1.0E+05	ND
Total Aerobic Plate Count	Culture Plating	1.0E+03	1.0E+04-1.0E+06	<LLOQ
Total Coliforms	Culture Plating	1.0E+01	1.0E+02-1.0E+04	ND
Salmonella	qPCR	1.0E+00	Not Applicable	Absent
E.coli (STEC)	qPCR	1.0E+00	Not Applicable	Absent

***This method is not covered under the current A2LA and CDPHE scope and is pending accreditation.*

All numerical values indicated above are reported in CFU/g.

Limit of Detection (LOD) is the lowest detectable limit of qPCR.

Quantitative Range is the LLOQ and ULOQ from plating, where quantitative results are derived.

Any value above the ULOQ will be reported as too numerous to count (TNTC). Any value below the LLOQ will be reported as below LOQ.

Values are expressed in scientific notation.

Example: 1.0E+03 = 1,000 CFU

REMARKS
FINAL AUTHORIZATION


 Alex Bujanow, Microbiologist
 01/20/2023 09:36 AM

ANALYZED BY/DATE


 Logan Cline, Director of Analytical Development
 01/20/2023 11:25 AM

AUTHORIZED BY/DATE


 John Reser, Quality Analyst
 01/20/2023 01:39 PM

RELEASED BY/DATE

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