

Prepared for:
BLUEBIRD BOTANICALS
PO BOX 271724
Louisville, CO USA 80027

COX-60

Batch ID or Lot Number: 3310495155	Test, Test ID and Methods: Various	Matrix: Solution	Page 1 of 2
Reported: 31May2023	Started: 31May2023	Received: 31May2023	


Cannabinoids - Colorado Compliance


Test ID: T000244867

Methods: TM14 (HPLC-DAD): Potency - Standard

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.061	0.211	1.012	1.07	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.055	0.193	0.974	1.03	
Cannabidiol (CBD)	0.182	0.534	25.455	26.94	
Cannabidiolic Acid (CBDA)	0.187	0.548	26.243	27.77	
Cannabidivarin (CBDV)	0.043	0.126	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.078	0.228	<LOQ	<LOQ	
Cannabigerol (CBG)	0.034	0.120	ND	ND	
Cannabigerolic Acid (CBGA)	0.144	0.501	<LOQ	<LOQ	
Cannabinol (CBN)	0.045	0.156	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.098	0.342	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.171	0.597	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.155	0.542	0.904	0.96	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.138	0.480	<LOQ	<LOQ	
Tetrahydrocannabivarin (THCV)	0.031	0.109	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.121	0.423	ND	ND	
Total Cannabinoids			54.588	57.77	
Total Potential THC			1.300	1.38	
Total Potential CBD			48.470	51.29	

Final Approval


Samantha Smith
31May2023
03:13:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
31May2023
03:18:00 PM MDT
APPROVED BY / DATE

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Reported: 31May2023	Started: 31May2023	Received: 31May2023	


Cannabinoids - Colorado Compliance

Test ID: T000244866

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.060	0.208	1.091	1.15	Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.055	0.190	1.028	1.09	
Cannabidiol (CBD)	0.179	0.526	25.955	27.47	
Cannabidiolic Acid (CBDA)	0.184	0.539	26.756	28.31	
Cannabidivarin (CBDV)	0.042	0.124	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.077	0.225	<LOQ	<LOQ	
Cannabigerol (CBG)	0.034	0.118	ND	ND	
Cannabigerolic Acid (CBGA)	0.141	0.493	<LOQ	<LOQ	
Cannabinol (CBN)	0.044	0.154	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.097	0.337	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.169	0.588	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.153	0.534	0.918	0.97	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.136	0.473	<LOQ	<LOQ	
Tetrahydrocannabivarin (THCV)	0.031	0.107	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.120	0.417	ND	ND	
Total Cannabinoids			55.748	58.99	
Total Potential THC			1.324	1.40	
Total Potential CBD			49.420	52.30	

Final Approval


Sam Smith
31May2023
03:13:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
31May2023
03:18:00 PM MDT
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<https://results.botanacor.com/api/v1/coas/uuid/de8ec9bb-fb06-4714-8cb8-2084b7284905>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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