

Prepared for:
AD Forward Solutions

919 Haywood Rd Unit 111
Asheville NC 28806

Aye Papi 10/28/2024

Batch ID or Lot Number: AP10282024	Test, Test ID and Methods: Various	Matrix: Plant	Page 1 of 3
Reported: 12Nov2024	Started: 10Nov2024	Received: 08Nov2024	

Cannabinoids

Test ID: T000293085

Methods: TM14 (HPLC-DAD) \ TM21 (Karl Fischer)	LOD (%)	LOQ (%)	Dry Weight Result (%)	MU Range (%)	Notes
Cannabichromene (CBC)	0.021	0.063	ND	ND	Dried Sample Moisture Content = 75.86%
Cannabichromenic Acid (CBCA)	0.019	0.057	0.202	0.186 - 0.218	Measurement Uncertainty = 7.73%
Cannabidiol (CBD)	0.070	0.168	ND	ND	Results generated using a non-validated, non-compliant method.
Cannabidiolic Acid (CBDA)	0.072	0.172	ND	ND	For informational purposes only.
Cannabidivarin (CBDV)	0.017	0.040	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.030	0.072	ND	ND	
Cannabigerol (CBG)	0.012	0.036	0.051	0.047 - 0.055	
Cannabigerolic Acid (CBGA)	0.049	0.149	0.346	0.319 - 0.373	
Cannabinol (CBN)	0.015	0.046	ND	ND	
Cannabinolic Acid (CBNA)	0.033	0.102	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.058	0.177	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.053	0.161	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.047	0.143	22.201	20.485 - 23.917	
Tetrahydrocannabivarin (THCV)	0.011	0.032	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.041	0.126	ND	ND	
Total Cannabinoids			22.800	21.012 - 24.588	
Total Potential THC			19.470	17.954 - 20.986	

Final Approval


Judith Marquez
12Nov2024
09:40:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
12Nov2024
12:55:00 PM MST

APPROVED BY / DATE

Heavy Metals

Test ID: T000293088

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.82	ND	

Final Approval


Judith Marquez
12Nov2024
12:45:00 PM MST

PREPARED BY / DATE


Sam Smith
12Nov2024
02:36:00 PM MST

APPROVED BY / DATE

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Pesticides

Test ID: T000293086

Methods: TM16

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)
Abamectin	124 - 1751	ND	Malathion	306 - 2641
Acephate	42 - 2808	ND	Metalaxyll	290 - 2701
Acetamiprid	43 - 2743	ND	Methiocarb	39 - 2758
Azoxystrobin	80 - 2709	ND	Methomyl	44 - 2803
Bifenazate	286 - 2688	ND	MGK 264 1	190 - 1582
Boscalid	267 - 2671	ND	MGK 264 2	100 - 1099
Carbaryl	42 - 2706	ND	Myclobutanil	45 - 2687
Carbofuran	42 - 2699	ND	Naled	291 - 2678
Chlorantraniliprole	252 - 2757	ND	Oxamyl	43 - 2807
Chlorpyrifos	277 - 2745	ND	Pacllobutrazol	43 - 2708
Clofentezine	289 - 2737	ND	Permethrin	265 - 2805
Diazinon	286 - 2700	ND	Phosmet	287 - 2573
Dichlorvos	320 - 2667	ND	Prophos	256 - 2752
Dimethoate	43 - 2757	ND	Propoxur	45 - 2700
E-Fenpyroximate	300 - 2735	ND	Pyridaben	42 - 2775
Etofenprox	44 - 2754	ND	Spinosad A	33 - 2079
Etoxazole	42 - 2682	ND	Spinosad D	12 - 662
Fenoxy carb	314 - 2657	ND	Spiromesifen	15 - 2750
Fipronil	301 - 2729	ND	Spirotetramat	295 - 2719
Flonicamid	53 - 2840	ND	Spiroxamine 1	17 - 1017
Fludioxonil	304 - 2727	ND	Spiroxamine 2	22 - 1614
Hexythiazox	294 - 2747	ND	Tebuconazole	302 - 2649
Imazalil	39 - 2639	ND	Thiacloprid	43 - 2779
Imidacloprid	40 - 2799	ND	Thiamethoxam	39 - 2795
Kresoxim-methyl	288 - 2721	ND	Trifloxystrobin	44 - 2717

Final Approval



Sam Smith
13Nov2024
11:39:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
13Nov2024
11:40:00 AM MST

APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000293087

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Method	LOD	Quantitation		Notes
			Range	Result	
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
15Nov2024
02:44:00 PM MST



Nora Langer
15Nov2024
02:52:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f7538c9c-fdbc-4b21-b27f-da80504a6a66>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).

