

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

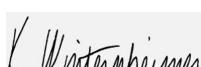
Test ID: T000293085

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% Measurement Uncertainty = 7.73% Results generated using a non-validated, non-compliant method. For informational purposes only.
Cannabichromenic Acid (CBCA)	0.019	0.057	0.202	0.186 - 0.218	
Cannabidiol (CBD)	0.070	0.168	ND	ND	
Cannabidiolic Acid (CBDA)	0.072	0.172	ND	ND	
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)
Abamectin	124 - 1751	ND
Acephate	42 - 2808	ND
Acetamiprid	43 - 2743	ND
Azoxystrobin	80 - 2709	ND
Bifenazate	286 - 2688	ND
Boscalid	267 - 2671	ND
Carbaryl	42 - 2706	ND
Carbofuran	42 - 2699	ND
Chlorantraniliprole	252 - 2757	ND
Chlorpyrifos	277 - 2745	ND
Clofentezine	289 - 2737	ND
Diazinon	286 - 2700	ND
Dichlorvos	320 - 2667	ND
Dimethoate	43 - 2757	ND
E-Fenpyroximate	300 - 2735	ND
Etofenprox	44 - 2754	ND
Etoxazole	42 - 2682	ND
Fenoxycarb	314 - 2657	ND
Fipronil	301 - 2729	ND
Flonicamid	53 - 2840	ND
Fludioxonil	304 - 2727	ND
Hexythiazox	294 - 2747	ND
Imazalil	39 - 2639	ND
Imidacloprid	40 - 2799	ND
Kresoxim-methyl	288 - 2721	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	306 - 2641	ND
Metalaxyl	290 - 2701	ND
Methiocarb	39 - 2758	ND
Methomyl	44 - 2803	ND
MGK 264 1	190 - 1582	ND
MGK 264 2	100 - 1099	ND
Myclobutanil	45 - 2687	ND
Naled	291 - 2678	ND
Oxamyl	43 - 2807	ND
Paclobutrazol	43 - 2708	ND
Permethrin	265 - 2805	ND
Phosmet	287 - 2573	ND
Prophos	256 - 2752	ND
Propoxur	45 - 2700	ND
Pyridaben	42 - 2775	ND
Spinosad A	33 - 2079	ND
Spinosad D	12 - 662	ND
Spiromesifen	15 - 2750	ND
Spirotetramat	295 - 2719	ND
Spiroxamine 1	17 - 1017	ND
Spiroxamine 2	22 - 1614	ND
Tebuconazole	302 - 2649	ND
Thiacloprid	43 - 2779	ND
Thiamethoxam	39 - 2795	ND
Trifloxystrobin	44 - 2717	ND

Final Approval


PREPARED BY / DATE
Sam Smith
13Nov2024
11:39:00 AM MST


APPROVED BY / DATE
Karen Winternheimer
13Nov2024
11:40:00 AM MST

Prepared for:
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Microbial Contaminants

Test ID: T000293087

Methods: TM25 (PCR) TM24, TM26,
TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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](#).



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