

CERTIFICATE OF ANALYSIS

Prepared for:

AD Forward Solutions

919 Haywood Road #111
Asheville, NC 28806

Tangilope 10/10/2024

Batch ID or Lot Number: TG10102024	Test: Dry Weight Potency	Reported: 05Nov2024	USDA License: NA
Matrix: Plant	Test ID: T000292474	Started: 04Nov2024	Sampler ID: NA
	Method(s): TM14 (HPLC-DAD) \ TM21 (Karl Fischer)	Received: 25Oct2024	Status: NA

Cannabinoids	LOD (%)	LOQ (%)	Dry Weight Result (%)	MU Range (%)	Notes
Cannabichromene (CBC)	0.018	0.061	ND	ND	
Cannabichromenic Acid (CBCA)	0.017	0.056	ND	ND	
Cannabidiol (CBD)	0.050	0.168	ND	ND	
Cannabidiolic Acid (CBDA)	0.051	0.172	ND	ND	
Cannabidivarin (CBDV)	0.012	0.040	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.021	0.072	ND	ND	
Cannabigerol (CBG)	0.010	0.035	ND	ND	
Cannabigerolic Acid (CBGA)	0.044	0.145	0.237	0.219 - 0.255	
Cannabinol (CBN)	0.014	0.045	ND	ND	
Cannabinolic Acid (CBNA)	0.030	0.099	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.052	0.172	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.047	0.156	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.042	0.139	23.786	21.947 - 25.625	
Tetrahydrocannabivarin (THCV)	0.010	0.031	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.037	0.122	ND	ND	
Total Cannabinoids			24.023	22.153 - 25.893	
Total Potential THC			20.860	19.248 - 22.473	

Final Approval



Sam Smith
05Nov2024
01:40:00 PM MST

PREPARED BY / DATE



Karen Winternheimer
05Nov2024
01:42:00 PM MST

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/b554c671-7034-4207-9fcc-832804bb5a4f>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Percentage of Delta 9-THC on a dry weight basis = The percentage of Delta 9-THC by weight in cannabis item after excluding all moisture from the item. 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.

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/IAC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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CERTIFICATE OF ANALYSIS

Prepared for:
AD Forward Solutions
 919 Haywood Road #111
 Asheville, NC 28806

Tangilope 10/18/2024

Batch ID or Lot Number: TG10182024	Test: Microbial Contaminants	Reported: 07Nov2024	USDA License: NA
Matrix: Plant	Test ID: T000292997	Started: 04Nov2024	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 01Nov2024	Status: NA

Microbial Contaminants	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
07Nov2024
02:03:00 PM MST



Nora Langer
07Nov2024
03:56:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f98358b7-f2ea-4a94-9f98-3deb35ebaef4>

Definitions

* 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
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

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CERTIFICATE OF ANALYSIS

 Prepared for:
AD Forward Solutions
 919 Haywood Road #111
 Asheville, NC 28806

Tangilope 10/18/2024

Batch ID or Lot Number: TG10182024	Test: Heavy Metals	Reported: 06Nov2024	USDA License: NA
Matrix: Plant Material	Test ID: T000292998	Started: 06Nov2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 01Nov2024	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.70	ND	
Cadmium	0.05 - 4.70	ND	
Mercury	0.05 - 4.83	ND	
Lead	0.05 - 5.26	ND	

Final Approval


 Judith Marquez
 06Nov2024
 12:31:00 PM MST

PREPARED BY / DATE



APPROVED BY / DATE

 Sam Smith
 06Nov2024
 03:06:00 PM MST

<https://results.botanacor.com/api/v1/coas/uuid/c0784bcc-e6e7-4a7c-b36f-96e371d896c9>
Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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.


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CERTIFICATE OF ANALYSIS

Prepared for:

AD Forward Solutions

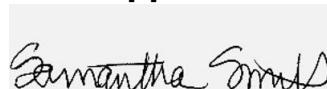
919 Haywood Road #111
Asheville, NC 28806

Tangilope 10/18/2024

Batch ID or Lot Number: TG10182024	Test: Pesticides	Reported: 06Nov2024	USDA License: NA
Matrix: Plant	Test ID: T000292996	Started: 05Nov2024	Sampler ID: NA
	Method(s): TM16 (LC-QQ LC MS/MS)	Received: 01Nov2024	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)
Abamectin	365 - 2608	ND	Malathion	318 - 2693
Acephate	20 - 2685	ND	Metalaxyl	284 - 2752
Acetamiprid	42 - 2680	ND	Methiocarb	42 - 2661
Azoxystrobin	80 - 2721	ND	Methomyl	44 - 2744
Bifenazate	300 - 2753	ND	MGK 264 1	185 - 1590
Boscalid	286 - 2672	ND	MGK 264 2	108 - 1092
Carbaryl	43 - 2700	ND	Myclobutanil	43 - 2617
Carbofuran	44 - 2716	ND	Naled	257 - 2685
Chlorantraniliprole	269 - 2681	ND	Oxamyl	44 - 2740
Chlorpyrifos	293 - 2722	ND	Pacllobutrazol	47 - 2691
Clofentezine	281 - 2763	ND	Permethrin	246 - 2761
Diazinon	289 - 2717	ND	Phosmet	287 - 2621
Dichlorvos	154 - 2604	ND	Prophos	278 - 2674
Dimethoate	43 - 2712	ND	Propoxur	41 - 2711
E-Fenpyroximate	291 - 2756	ND	Pyridaben	45 - 2791
Etofenprox	42 - 2755	ND	Spinosad A	33 - 2097
Etoxazole	41 - 2687	ND	Spinosad D	9 - 673
Fenoxy carb	111 - 2656	ND	Spiromesifen	49 - 2760
Fipronil	297 - 2700	ND	Spirotetramat	296 - 2808
Flonicamid	51 - 2778	ND	Spiroxamine 1	18 - 1003
Fludioxonil	282 - 2628	ND	Spiroxamine 2	24 - 1590
Hexythiazox	290 - 2770	ND	Tebuconazole	304 - 2750
Imazalil	36 - 2780	ND	Thiacloprid	46 - 2738
Imidacloprid	44 - 2713	ND	Thiamethoxam	43 - 2711
Kresoxim-methyl	270 - 2821	ND	Trifloxystrobin	44 - 2740

Final Approval



Sam Smith
06Nov2024
09:18:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
06Nov2024
09:23:00 AM MST

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/2f7b77e2-85b9-4f48-a8e5-52ca0c067e1d>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

ppb = Parts Per Billion

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