

Prepared for:
North Brands LLC

Green Apple

Batch ID or Lot Number: GA005	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 4
Reported: 05May2023	Started: 05May2023	Received: 04May2023	


Cannabinoids

Test ID: T000243116

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.298	0.854	ND	ND	# of Servings = 1, Sample Weight=3.103g
Cannabichromenic Acid (CBCA)	0.273	0.781	ND	ND	
Cannabidiol (CBD)	0.891	2.244	ND	ND	
Cannabidiolic Acid (CBDA)	0.914	2.301	ND	ND	
Cannabidivarin (CBDV)	0.211	0.531	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.381	0.960	ND	ND	
Cannabigerol (CBG)	0.169	0.485	ND	ND	
Cannabigerolic Acid (CBGA)	0.708	2.028	ND	ND	
Cannabinol (CBN)	0.221	0.633	ND	ND	
Cannabinolic Acid (CBNA)	0.483	1.384	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.843	2.416	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.766	2.194	4.800	1.50	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.678	1.944	ND	ND	
Tetrahydrocannabivarin (THCV)	0.154	0.441	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.598	1.715	ND	ND	
Total Cannabinoids			4.800	1.50	
Total Potential THC			4.800	1.50	
Total Potential CBD			ND	ND	

Final Approval

 Sam Smith
09May2023
08:30:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
09May2023
08:33:00 AM MDT

APPROVED BY / DATE

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Heavy Metals


Test ID: T000243118
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.82	ND	
Cadmium	0.05 - 4.65	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.01 - 1.47	ND	

Final Approval


Sam Smith
05May2023
12:10:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
05May2023
12:14:00 PM MDT


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Residual Solvents


Test ID: T000243119
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1702	ND	
Butanes (Isobutane, n-Butane)	173 - 3466	ND	
Methanol	52 - 1049	ND	
Pentane	87 - 1733	ND	
Ethanol	88 - 1758	ND	
Acetone	83 - 1666	ND	
Isopropyl Alcohol	89 - 1771	ND	
Hexane	5 - 101	ND	
Ethyl Acetate	84 - 1684	ND	
Benzene	0.2 - 3.2	ND	
Heptanes	85 - 1699	ND	
Toluene	15 - 303	ND	
Xylenes (m,p,o-Xylenes)	111 - 2212	ND	

Final Approval


Sam Smith
06May2023
11:28:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
06May2023
11:27:00 AM MDT

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Pesticides


Test ID: T000243117

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	378 - 2769	ND		Malathion	287 - 2799	ND
Acephate	43 - 2754	ND		Metalaxyl	38 - 2811	ND
Acetamiprid	40 - 2768	ND		Methiocarb	44 - 2678	ND
Azoxystrobin	42 - 2784	ND		Methomyl	40 - 2805	ND
Bifenazate	40 - 2782	ND		MGK 264 1	168 - 1670	ND
Boscalid	42 - 2628	ND		MGK 264 2	112 - 1086	ND
Carbaryl	43 - 2760	ND		Myclobutanil	40 - 2671	ND
Carbofuran	43 - 2732	ND		Naled	45 - 2772	ND
Chlorantraniliprole	43 - 2646	ND		Oxamyl	41 - 2799	ND
Chlorpyrifos	44 - 2784	ND		Paclobutrazol	43 - 2746	ND
Clofentezine	275 - 2759	ND		Permethrin	293 - 2838	ND
Diazinon	292 - 2802	ND		Phosmet	40 - 2782	ND
Dichlorvos	285 - 2827	ND		Prophos	299 - 2688	ND
Dimethoate	40 - 2771	ND		Propoxur	43 - 2750	ND
E-Fenpyroximate	306 - 2809	ND		Pyridaben	316 - 2744	ND
Etofenprox	42 - 2769	ND		Spinosad A	32 - 2092	ND
Etoxazole	318 - 2742	ND		Spinosad D	66 - 670	ND
Fenoxycarb	28 - 2816	ND		Spiromesifen	293 - 2785	ND
Fipronil	66 - 2797	ND		Spirotetramat	287 - 2858	ND
Flonicamid	46 - 2843	ND		Spiroxamine 1	18 - 1197	ND
Fludioxonil	302 - 2682	ND		Spiroxamine 2	25 - 1510	ND
Hexythiazox	41 - 2779	ND		Tebuconazole	288 - 2788	ND
Imazalil	277 - 2819	ND		Thiacloprid	41 - 2742	ND
Imidacloprid	45 - 2816	ND		Thiamethoxam	39 - 2800	ND
Kresoxim-methyl	38 - 2811	ND		Trifloxystrobin	42 - 2727	ND

Final Approval


 Karen Winternheimer
 11May2023
 10:16:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 11May2023
 10:25:00 AM MDT
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<https://results.botanacor.com/api/v1/coas/uuid/38471bd7-0d0d-4b26-af65-36adde9e91af>

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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