

Prepared for:
North Brands LLC

North Gummies - Green Apple

Batch ID or Lot Number: GA090125 / 090125	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 05Mar2024	Started: 05Mar2024	Received: 01Mar2024	


Cannabinoids

Test ID: T000272581


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.197	0.676	ND	ND	# of Servings = 1, Sample Weight=3.226g
Cannabichromenic Acid (CBCA)	0.180	0.618	ND	ND	
Cannabidiol (CBD)	0.693	1.858	ND	ND	
Cannabidiolic Acid (CBDA)	0.711	1.906	ND	ND	
Cannabidivarin (CBDV)	0.164	0.439	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.296	0.795	ND	ND	
Cannabigerol (CBG)	0.112	0.384	ND	ND	
Cannabigerolic Acid (CBGA)	0.467	1.604	ND	ND	
Cannabinol (CBN)	0.146	0.501	ND	ND	
Cannabinolic Acid (CBNA)	0.318	1.094	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.556	1.911	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.505	1.735	4.840	1.50	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.447	1.538	ND	ND	
Tetrahydrocannabivarin (THCV)	0.102	0.349	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.395	1.356	ND	ND	
Total Cannabinoids			4.840	1.50	
Total Potential THC			4.840	1.50	
Total Potential CBD			ND	ND	

Final Approval

 Sam Smith
05Mar2024
04:03:00 PM MST

PREPARED BY / DATE

 Karen Winternheimer
05Mar2024
04:05:00 PM MST

APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000272588

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


Eden Thompson-Wright
04Mar2024
01:50:00 PM MST
PREPARED BY / DATE


Brianne Maillot
05Mar2024
10:13:00 AM MST
APPROVED BY / DATE

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Residual Solvents

Test ID: T000255307
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	105 - 2106	ND	
Butanes (Isobutane, n-Butane)	209 - 4179	ND	
Methanol	63 - 1265	ND	
Pentane	106 - 2115	ND	
Ethanol	102 - 2049	ND	
Acetone	104 - 2087	ND	
Isopropyl Alcohol	105 - 2097	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	102 - 2031	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	104 - 2085	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	136 - 2719	ND	

Final Approval


 Karen Winternheimer
 05Mar2023
 01:43:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 05Mar2023
 01:44:00 PM MDT
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Pesticides


Test ID: T000255305

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	352 - 2613	ND		Malathion	273 - 2712	ND
Acephate	45 - 2712	ND		Metalaxyl	47 - 2676	ND
Acetamiprid	42 - 2736	ND		Methiocarb	47 - 2784	ND
Azoxystrobin	48 - 2669	ND		Methomyl	42 - 2775	ND
Bifenazate	47 - 2705	ND		MGK 264 1	132 - 1693	ND
Boscalid	50 - 2752	ND		MGK 264 2	110 - 1068	ND
Carbaryl	45 - 2704	ND		Myclobutanil	93 - 2714	ND
Carbofuran	45 - 2713	ND		Naled	46 - 2744	ND
Chlorantraniliprole	43 - 2842	ND		Oxamyl	43 - 2782	ND
Chlorpyrifos	47 - 2725	ND		Paclobutrazol	45 - 2756	ND
Clofentezine	268 - 2759	ND		Permethrin	278 - 2737	ND
Diazinon	280 - 2723	ND		Phosmet	42 - 2686	ND
Dichlorvos	255 - 2755	ND		Prophos	295 - 2783	ND
Dimethoate	42 - 2743	ND		Propoxur	45 - 2701	ND
E-Fenpyroximate	280 - 2753	ND		Pyridaben	300 - 2719	ND
Etofenprox	45 - 2650	ND		Spinosad A	34 - 2073	ND
Etoxazole	307 - 2718	ND		Spinosad D	72 - 670	ND
Fenoxycarb	25 - 2756	ND		Spiromesifen	264 - 2755	ND
Fipronil	36 - 2773	ND		Spirotetramat	261 - 2774	ND
Flonicamid	50 - 2757	ND		Spiroxamine 1	20 - 1216	ND
Fludioxonil	305 - 2727	ND		Spiroxamine 2	25 - 1555	ND
Hexythiazox	43 - 2745	ND		Tebuconazole	312 - 2653	ND
Imazalil	282 - 2706	ND		Thiacloprid	44 - 2738	ND
Imidacloprid	42 - 2790	ND		Thiamethoxam	43 - 2764	ND
Kresoxim-methyl	47 - 2693	ND		Trifloxystrobin	46 - 2680	ND

Final Approval


 Karen Winternheimer
 06Mar2024
 09:37:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 06Mar2024
 09:40:00 AM MDT
 APPROVED BY / DATE

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Heavy Metals


Test ID: T000255306
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.17	ND	
Cadmium	0.04 - 4.46	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.04 - 4.38	ND	

Final Approval


Sam Smith
05Mar2024
11:24:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
05Mar2024
11:26:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/c0445212-cfdc-4c44-a113-5ae714c0de5a>

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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