

Prepared for:  
**North Brands LLC**

## North Gummies - Berry Lemonade

Batch ID or Lot Number: <b>050525</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: <b>29Feb2024</b>	Started: 29Feb2024	Received: 29Feb2024	


### 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=3.168g
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	4.700	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	
<b>Total Cannabinoids</b>			<b>4.700</b>	<b>1.50</b>	
Total Potential THC			4.700	1.50	
Total Potential CBD			ND	ND	

### Final Approval

 Sam Smith  
29Feb2024  
04:00:00 PM MST

PREPARED BY / DATE

 Karen Winternheimer  
29Feb2024  
04:01:00 PM MST

APPROVED BY / DATE

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## Microbial Contaminants

Test ID: T000272583

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

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

## Final Approval

 Edén Thompson-Wright 03Mar2024 01:52:00 PM MST PREPARED BY / DATE	 Brianne Maillot 04Mar2024 10:36:00 AM MST APPROVED BY / DATE
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**Residual Solvents**

Test ID: T000272585

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1561	ND	
Butanes (Isobutane, n-Butane)	164 - 3277	ND	
Methanol	62 - 1232	ND	
Pentane	83 - 1667	ND	
Ethanol	87 - 1730	ND	
Acetone	97 - 1938	ND	
Isopropyl Alcohol	101 - 2012	ND	
Hexane	6 - 122	ND	
Ethyl Acetate	99 - 1989	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	93 - 1868	ND	
Toluene	18 - 361	ND	
Xylenes (m,p,o-Xylenes)	130 - 2606	ND	

**Final Approval**

  
 Karen Winternheimer  
 05Mar2024  
 08:54:00 AM MST  
 PREPARED BY / DATE

  
 Phillip Travisano  
 05Mar2024  
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**North Brands LLC**

## North Gummies - Berry Lemonade

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### Pesticides

Test ID: T000272582

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	303 - 2700	ND		Malathion	305 - 2688	ND
Acephate	44 - 2717	ND		Metalaxyl	41 - 2723	ND
Acetamiprid	42 - 2672	ND		Methiocarb	43 - 2702	ND
Azoxystrobin	46 - 2716	ND		Methomyl	44 - 2711	ND
Bifenazate	42 - 2698	ND		MGK 264 1	153 - 1606	ND
Boscalid	39 - 2729	ND		MGK 264 2	110 - 1092	ND
Carbaryl	42 - 2703	ND		Myclobutanil	44 - 2688	ND
Carbofuran	43 - 2697	ND		Naled	50 - 2666	ND
Chlorantraniliprole	48 - 2704	ND		Oxamyl	42 - 2732	ND
Chlorpyrifos	45 - 2777	ND		Paclobutrazol	43 - 2716	ND
Clofentezine	278 - 2734	ND		Permethrin	290 - 2859	ND
Diazinon	289 - 2726	ND		Phosmet	40 - 2590	ND
Dichlorvos	285 - 2715	ND		Prophos	294 - 2690	ND
Dimethoate	44 - 2661	ND		Propoxur	43 - 2684	ND
E-Fenpyroximate	271 - 2826	ND		Pyridaben	289 - 2793	ND
Etofenprox	45 - 2797	ND		Spinosad A	32 - 2098	ND
Etoxazole	286 - 2702	ND		Spinosad D	62 - 676	ND
Fenoxycarb	42 - 2767	ND		Spiromesifen	290 - 2770	ND
Fipronil	21 - 2732	ND		Spirotetramat	276 - 2758	ND
Flonicamid	50 - 2730	ND		Spiroxamine 1	17 - 1032	ND
Fludioxonil	266 - 2659	ND		Spiroxamine 2	25 - 1597	ND
Hexythiazox	42 - 2798	ND		Tebuconazole	286 - 2765	ND
Imazalil	282 - 2768	ND		Thiacloprid	44 - 2691	ND
Imidacloprid	46 - 2722	ND		Thiamethoxam	44 - 2752	ND
Kresoxim-methyl	39 - 2762	ND		Trifloxystrobin	44 - 2720	ND

### Final Approval

  
 Karen Winternheimer  
 05Mar2024  
 09:43:00 AM MST  
 PREPARED BY / DATE

  
 Phillip Travisano  
 05Mar2024  
 09:45:00 AM MST  
 APPROVED BY / DATE

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### Heavy Metals

Test ID: T000272584  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.65	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.05 - 4.56	ND	
Lead	0.05 - 4.56	ND	

### Final Approval

  
Phillip Travisano  
05Mar2024  
02:58:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
05Mar2024  
02:59:00 PM MST  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/5cab3022-79dc-4659-8258-0d28e2e886f3>

**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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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