

Prepared for:  
**North Brands LLC**

## North Vibes Pineapple Orange

Batch ID or Lot Number: <b>NCC0061</b>	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: <b>08Feb2024</b>	Started: 08Feb2024	Received: 08Feb2024	


### Cannabinoids


Test ID: T000270217

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.156	0.513	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.143	0.469	ND	ND	
Cannabidiol (CBD)	0.445	1.503	4.760	0.00	
Cannabidiolic Acid (CBDA)	0.456	1.541	ND	ND	
Cannabidivarin (CBDV)	0.105	0.355	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.190	0.643	ND	ND	
Cannabigerol (CBG)	0.088	0.291	ND	ND	
Cannabigerolic Acid (CBGA)	0.370	1.217	ND	ND	
Cannabinol (CBN)	0.115	0.380	ND	ND	
Cannabinolic Acid (CBNA)	0.252	0.830	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.441	1.450	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.400	1.316	2.340	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.355	1.166	ND	ND	
Tetrahydrocannabivarin (THCV)	0.080	0.265	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.313	1.029	ND	ND	
<b>Total Cannabinoids</b>			<b>7.100</b>	<b>0.00</b>	
Total Potential THC			2.340	0.00	
Total Potential CBD			4.760	0.00	

### Final Approval

  
 Karen Winternheimer  
 08Feb2024  
 02:22:00 PM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 08Feb2024  
 02:25:00 PM MST  
 APPROVED BY / DATE

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**Residual Solvents**

Test ID: T000270221  
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1878	ND	
Butanes (Isobutane, n-Butane)	180 - 3606	ND	
Methanol	57 - 1134	ND	
Pentane	83 - 1655	ND	
Ethanol	81 - 1624	ND	
Acetone	93 - 1850	ND	
Isopropyl Alcohol	90 - 1796	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	91 - 1818	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	89 - 1787	ND	
Toluene	16 - 330	ND	
Xylenes (m,p,o-Xylenes)	120 - 2394	ND	

**Final Approval**

  
Karen Winternheimer  
09Feb2024  
02:55:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
09Feb2024  
02:57:00 PM MST  
APPROVED BY / DATE

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## North Vibes Pineapple Orange

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## Microbial Contaminants

Test ID: T000270219

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

  
Brianne Maillot  
12Feb2024  
10:33:00 AM MST

PREPARED BY / DATE

  
Eden Thompson-Wright  
12Feb2024  
10:56:00 AM MST

APPROVED BY / DATE


## Heavy Metals

Test ID: T000270220


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.45	ND	
Cadmium	0.04 - 4.46	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.05 - 4.62	ND	

### Final Approval

  
Karen Winternheimer  
13Feb2024  
02:40:00 PM MST

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Karen Winternheimer  
13Feb2024  
03:19:00 PM MST

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### Pesticides


Test ID: T000270218

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	320 - 2746	ND		Malathion	300 - 2671	ND
Acephate	41 - 2688	ND		Metalaxyl	46 - 2667	ND
Acetamiprid	44 - 2659	ND		Methiocarb	44 - 2834	ND
Azoxystrobin	46 - 2651	ND		Methomyl	43 - 2708	ND
Bifenazate	42 - 2659	ND		MGK 264 1	161 - 1633	ND
Boscalid	49 - 2828	ND		MGK 264 2	107 - 1077	ND
Carbaryl	42 - 2695	ND		Myclobutanil	45 - 2828	ND
Carbofuran	43 - 2694	ND		Naled	51 - 2656	ND
Chlorantraniliprole	46 - 2818	ND		Oxamyl	40 - 2726	ND
Chlorpyrifos	55 - 2650	ND		Paclobutrazol	44 - 2665	ND
Clofentezine	288 - 2737	ND		Permethrin	308 - 2748	ND
Diazinon	301 - 2655	ND		Phosmet	40 - 2532	ND
Dichlorvos	281 - 2747	ND		Prophos	291 - 2856	ND
Dimethoate	42 - 2674	ND		Propoxur	44 - 2694	ND
E-Fenpyroximate	271 - 2792	ND		Pyridaben	301 - 2700	ND
Etofenprox	45 - 2671	ND		Spinosad A	34 - 2055	ND
Etoazole	297 - 2600	ND		Spinosad D	69 - 642	ND
Fenoxycarb	48 - 2687	ND		Spiromesifen	261 - 2688	ND
Fipronil	46 - 2791	ND		Spirotetramat	284 - 2725	ND
Flonicamid	48 - 2749	ND		Spiroxamine 1	16 - 1064	ND
Fludioxonil	344 - 2709	ND		Spiroxamine 2	23 - 1667	ND
Hexythiazox	45 - 2705	ND		Tebuconazole	282 - 2671	ND
Imazalil	284 - 2700	ND		Thiacloprid	44 - 2685	ND
Imidacloprid	48 - 2725	ND		Thiamethoxam	40 - 2708	ND
Kresoxim-methyl	44 - 2691	ND		Trifloxystrobin	44 - 2698	ND

### Final Approval

  
 Karen Winternheimer  
 14Feb2024  
 12:13:00 PM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 14Feb2024  
 12:15:00 PM MST  
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/a594a8ed-f518-4c2f-89bc-06f2470aa8d9>

**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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