

Prepared for:  
**North Brands LLC**

## Vibes Blackberry Mango

Batch ID or Lot Number: <b>NCC0038</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 3
Reported: <b>03Oct2023</b>	Started: 03Oct2023	Received: 02Oct2023	


### Cannabinoids

Test ID: T000257802


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.169	0.503	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.155	0.460	ND	ND	
Cannabidiol (CBD)	0.500	1.291	5.640	0.00	
Cannabidiolic Acid (CBDA)	0.513	1.324	ND	ND	
Cannabidivarin (CBDV)	0.118	0.305	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.214	0.552	ND	ND	
Cannabigerol (CBG)	0.096	0.286	ND	ND	
Cannabigerolic Acid (CBGA)	0.401	1.194	ND	ND	
Cannabinol (CBN)	0.125	0.373	ND	ND	
Cannabinolic Acid (CBNA)	0.274	0.815	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.478	1.422	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.434	1.292	2.950	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.385	1.144	ND	ND	
Tetrahydrocannabivarin (THCV)	0.087	0.260	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.339	1.009	ND	ND	
<b>Total Cannabinoids</b>			<b>8.590</b>	<b>0.00</b>	
Total Potential THC			2.950	0.00	
Total Potential CBD			5.640	0.00	

### Final Approval

 Karen Winternheimer  
03Oct2023  
01:38:00 PM MDT

PREPARED BY / DATE

 Sam Smith  
03Oct2023  
01:40:00 PM MDT

APPROVED BY / DATE


### Heavy Metals

Test ID: T000257804

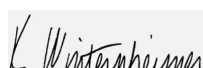
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.60	ND	
Cadmium	0.05 - 4.72	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.05 - 4.65	ND	

### Final Approval

 Sam Smith  
05Oct2023  
02:08:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer  
05Oct2023  
02:12:00 PM MDT

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**North Brands LLC**

## Vibes Blackberry Mango

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## Residual Solvents


Test ID: T000257805

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1840	ND	
Butanes (Isobutane, n-Butane)	185 - 3706	ND	
Methanol	61 - 1226	ND	
Pentane	96 - 1926	ND	
Ethanol	104 - 2072	ND	
Acetone	99 - 1981	ND	
Isopropyl Alcohol	108 - 2164	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	103 - 2063	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	100 - 1999	ND	
Toluene	19 - 378	ND	
Xylenes (m,p,o-Xylenes)	142 - 2834	ND	

## Final Approval

  
 Karen Winternheimer  
 03Oct2023  
 01:18:00 PM MDT  
 PREPARED BY / DATE

  
 Sam Smith  
 03Oct2023  
 01:21:00 PM MDT  
 APPROVED BY / DATE

Prepared for:  
**North Brands LLC**

## Vibes Blackberry Mango

Batch ID or Lot Number: <b>NCC0038</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 3
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## Microbial Contaminants

Test ID: T000257803

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  
 06Oct2023  
 11:18:00 AM MDT  
 PREPARED BY / DATE

  
 Eden Thompson-Wright  
 06Oct2023  
 01:40:00 PM MDT  
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0a8192d7-f379-4a78-9068-30191e8570f6>

**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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