



420 Fortune Blvd
Milford, MA 01757

Sample ID: **125786**
Order No.: **43909**

Report Title: **Certificate of Analysis**
Revision: **1**
Report Date: **6/10/2024**



<p align="center">B. RMD INFO</p> <p>Northeast Alternatives, Inc. 999 William S. Canning Blvd. Fall River, MA 02721</p> <p>Manifest No: 0002277843 Date Received: 6/6/2024</p>	<p align="center">C. SAMPLE IDENTIFICATION</p> <p>METRC Package ID: 1A40A03000002BF000101135</p> <p>Sample Name: NANO.QL.RSO.HYB.NP.CH.05.31.24.MIP Bulk 5mg RSO NANO QL Neapolitan Chocolates Hybrid</p> <p>Prod. Batch ID: NANO.QL.RSO.HYB.NP.CH.05.31.24.MIP</p> <p>Source Pkg. ID: 1A40A03000002BF000101108</p>	<p align="center">D. PICTURE OF SAMPLE</p> 
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<p align="center">E. SAMPLE PROPERTIES</p> <p>Sample Size: 6ea # of Servings: n/a Matrix: Solid Matrix Other: n/a Sample Condition: Unremarkable Retest: No Remediated: No Description: n/a</p>	<p align="center">F. PRODUCT CHARACTERIZATION</p> <p>Product Stage: Marijuana-Infused Product (MIP) Product Class: Edible Other: n/a Product Type: Bar Retail Name: NANO.QL.RSO.HYB.NP.CH.05.31.24.MIP Bulk 5mg RSO NANO QL Neapolitan Chocolates Hybrid Grow Material: n/a Intended Route of Consumption: n/a Other: n/a Extraction Solvent: n/a Other: n/a</p>	<p align="center">G. TEST TYPE RUN</p> <p>(CN) Cannabinoid Profile (MY) Mycotoxin Test (MB) Microbiology Test (PT) Pathogen Screen</p>
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

ProVerde Laboratories, Inc. is an ISO/IEC 17025:2017 accredited laboratory, registered with Perry Johnson Laboratory Accreditation Inc., certificate #L23-91-1, accreditation #80585, expiring April 30, 2025.

H. CASE NARRATIVE			
For full Case Narrative, see details in PAGE 2			

Total THC (CN)	Pesticides (PST)	Micro (MB)	Solvents (VOC)
4.80 mg/piece	Not Tested	PASS	Not Tested
Terpenes (TP)	Heavy Metals (HM)	Mycotoxins (MY)	Vitamin E Acetate (VEA)
Not Tested	Not Tested	PASS	Not Tested

THIS PRODUCT
<input checked="" type="checkbox"/> May be dispensed <input type="checkbox"/> May be dispensed as INGESTION only <input type="checkbox"/> May NOT be dispensed

LAB AUTHORIZATION SIGNATURE
<p>Andrew Aubin</p>  <p>Lab Director</p>

H. CASE NARRATIVE

The sample was provided to the laboratory by a RMD agent. Sample was submitted in a sealed container under ambient conditions. Chain of Custody seal was intact. All recorded contaminants are within the established limits.

Test Summary:

Cannabinoid Analysis: The sample was analyzed for cannabinoids by Liquid Chromatography (WI-10-17). Prior to analysis, sample was prepared by extraction with an organic solvent with the addition of a QuEChERS clean-up. Sample was filtered and diluted with an appropriate HPLC diluent. The recorded data was compared to data collected for certified reference standards for quantification.

Microbiological Screening: The sample was analyzed for microbial contaminants by an automated Most Probable Number enumeration (WI-10-09) [BioMerieux]. Prior to analysis, sample was prepared with peptone buffered water to extract microbial contaminants.

Pathogenic Bacteria: The sample was analyzed for the pathogenic bacteria E. coli and salmonella with an automated Enzyme-Linked Fluorescence Assay (WI-10-10) [BioMerieux]. Prior to analysis, sample was prepared with peptone buffered water to extract microbial contaminants, followed by incubation to enrich potential contaminants.

Mycotoxin Testing: The sample was analyzed for mycotoxins using an ImmunoAffinity Assay with fluorometric detection (WI-10-05). Prior to analysis, sample was extracted with organic solvent, followed by the ImmunoAffinity column clean-up.

QC Summary:

Cannabinoid QC: A method blank was prepared in parallel with the study sample, using only associated reagents, with no matrix included. In addition, quantitation was evaluated with a Continuing Calibration Verification (CCV) sample.

Microbiological QC: A method blank was prepared in parallel with the study sample, using only associated reagents, with no matrix included. In addition, an environmental blank was collected using a 3M PetriFilm, that was exposed to work area during sample preparation, followed by incubation to confirm the absence of environmental contaminants.

Pathogenic Bacteria QC: For each pathogen, a positive and negative control sample is run on a monthly basis.

Mycotoxin QC: Performance of fluorometer is verified daily using standard reference materials prior to data measurement.

TABLE I: CANNABINOID PROFILE						Analysis Date: 6/6/2024
Sample ID: 125786 By UPLC		Lab SOP #: WI-10-17 & WI-10-17-01			Analyst: SD	
This sample was analyzed using Liquid Chromatography (LC). The collected data was compared to data collected for a reference standards at a known concentration.						
Test ID	Analyte	Concentration <i>unit = %wt</i>	"Dose" weight <i>unit = mg/piece</i>	LOD <i>unit = ppm</i>	LOQ <i>unit = ppm</i>	
A125786	D9-THC	0.141	4.80	8.86	26.60	
A125786	THCV	<LOQ	<LOQ	8.86	26.60	
A125786	CBD	ND	ND	8.86	26.60	
A125786	CBDV	ND	ND	8.86	26.60	
A125786	CBG	0.00463	0.158	8.86	26.60	
A125786	CBC	<LOQ	<LOQ	8.86	26.60	
A125786	CBN	<LOQ	<LOQ	8.86	26.60	
A125786	THCA	ND	ND	8.86	26.60	
A125786	CBDA	ND	ND	8.86	26.60	
A125786	CBGA	ND	ND	8.86	26.60	
A125786	CBDVA	ND	ND	8.86	26.60	
A125786	D8-THC	ND	ND	8.86	26.60	
A125786	exo-THC	ND	ND	8.86	26.60	
Total THC		0.141 wt%	4.80	Measurements are based on sample as received.		
Total CBD		ND	ND			
Total Cannabinoid (TAC)		0.146 wt%	4.96			
CBD to THC Ratio		0 : 1				

There are no limits established by the Massachusetts Cannabis Control Commission for cannabinoid concentrations. Total THC and CBD values are based on the assumption that acidic cannabinoids have been decarboxylated, such that Total THC = (0.877 x THCA) + D9-THC and Total CBD = (0.877 x CBDA) + CBD. ND = None Detected above the Limits of Detection (LOD).

TABLE K: MICROBIOLOGICAL CONTAMINANTS							Analysis Date: 6/6/2024
Sample ID: 125786 By MPN		Lab SOP #: WI-10-09			Analyst: SRD		
This sample was analyzed for microbiological contaminants using an automated Most Probable Number (MPN) methodology with cultured enrichments.							
Test ID	Analyte Symbol	Test Analysis	Result	Unit	Standard Limits <i>unit = CFU/g</i>	Limit Test	
125786	AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS	
125786	CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS	
125786	EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS	
125786	YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS	

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. All recorded Microbiological tests are within the established limits.

*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

TABLE L: PATHOGENIC BACTERIA					Analysis Date: 6/7/2024
Sample ID: 125786 By ELFA		Lab SOP #: WI-10-10		Analyst: SRD	
This sample was analyzed for pathogenic bacteria using an automated Enzyme Linked Fluorescent Assay (ELFA). Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen.					
Test ID	Analyte Symbol	Test Analysis	Result	Standard Limits	Limit Test
125786	ECPT	E. coli (O157)	Negative	Non Detected in 1g	PASS
125786	SPT	Salmonella	Negative	Non Detected in 1g	PASS

Note: All recorded pathogenic bacteria tests passed.

*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

TABLE M: MYCOTOXINS							Analysis Date: 6/7/2024
Sample ID: 125786 By IA/Fluorescence			Lab SOP #: WI-10-05		Analyst: RAM		
This sample was analyzed for mycotoxins using an Immunoaffinity based assay (IA). Data was compared to readings from standard reference materials.							
Test ID	Analyte Symbol	Analyte	Result <i>unit = ppb</i>	LOD <i>unit = ppb</i>	LOQ <i>unit = ppb</i>	Standard Limits <i>unit = ppb</i>	Limit Test
125786	Afla	Total Aflatoxin	< LOD	2	4	< 20	PASS
125786	Ochra	Total Ochratoxin	< LOD	3	6	< 20	PASS

Note: All recorded Mycotoxin tests are within the established limits.

*Testing limits established by the Massachusetts Cannabis Control Commission, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

MLD = Method Detection Limit.

END OF REPORT