

Analytical Test Report

Client: Commonwealth Alternative Care 30 Mozzone Blvd Taunton, MA 02780	Final Report MCR-S22-10010 Rev.01.00 Report Date: 1 MARCH 2022 METRC Tag: 1A40A0100000BBD000025379	Laboratory: MCR Labs 85 Speen St. Lower Level Framingham, MA 01701 508-872-6666
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Sample ID #	Sample Name	Batch	Matrix	Date Received	Date Tested	Serving size weight
MCR-S22-10010	Bulk 100mg Milk Chocolate Drops (25382)	THC-100MCD-021522	MIP	22 February 2022	23-26 February 2022	3.5 g

The test results presented in this report are accurate, complete, and compliant with the MCR Labs quality control criteria.

Authorization

Carlos Luna

Carlos Cruz

Data Quality Manager



Case Narrative:

This sample was received by MCR Labs from a RMD agent in a sealed container. For cannabinoids, the sample was extracted using organic solvents and analyzed via High Performance Liquid Chromatography (HPLC-UV). For microbiological contaminants, the sample was prepared using cultured enrichments, was incubated for set periods of time, and analyzed via an automated Most Probable Number (MPN) methodology. For pathogenic bacterial contaminants, the sample was analyzed via a quantitative Polymerase Chain Reaction (qPCR). Pathogenic screen includes all six STEC strains, including O157. For mycotoxin contaminants, the sample was extracted using organic solvents and analyzed via enzyme-linked immunosorbent assay (ELISA). The collected data was compared to data collected from analytical reference standards at known concentrations. QA/QC data is available upon request. When a gravimetric serving size is provided by the client, this value is used to calculate mg/serving size. Unless specified by regulation, measurement uncertainty is not taken into account when reporting results and making a statement of conformity. Values reported below quantitation limits are for informational purposes.

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Requested Testing:

Test	Code	Procedure	Analytes Tested	Disposition
Cannabinoid Profile	CN	MCR-TM-0011	CBDVA, CBDV, CBDA, CBGA, CBG, CBD, THCV, THCVA, CBCV, CBN, CBNA, D9-THC, D8-THC, CBL, THCA, CBC, CBCA, CBLA, CBT	N/A
Microbiological Screen	MB	MCR-TM-0006 MCR-TM-0012	Bacterial (Total Aerobic, Total Coliform, Bile-Tolerant Gram Negative), Yeast and Mold, Pathogenic (E. coli, Salmonella)	Pass
Mycotoxin Screen	MY	MCR-TM-0015	Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin A	Pass

Cannabinoid Profile [MCR-TM-0011]

Analyst: IG/JM/TM/HU

Test Date: 26 Feb 22

The sample was analyzed for cannabinoids via High Performance Liquid Chromatography (HPLC-UV). The collected data was compared to data collected from certified analytical reference standards at known concentrations.

Table 1 - S22-10010 Bulk 100mg Milk Chocolate Drops (25382) THC-100MCD-021522 MIP Cannabinoid Testing

Analyte	Cannabinoid	Conc. (mg/serving size)	Conc. (mg/g)	LOQ (mg/g)	LOD (mg/g)
CBDVA	Cannabidivarinic acid	ND	ND	0.1	0.01
CBDV	Cannabidivarin	ND	ND	0.1	0.02
CBDA	Cannabidiolic acid	ND	ND	0.1	0.02
CBGA	Cannabigerolic acid	ND	ND	0.1	0.02
CBG	Cannabigerol	2.94	0.84	0.1	0.04
CBD	Cannabidiol	0.35	0.10	0.1	0.03
THCV	Tetrahydrocannabivarin	1.58	0.45	0.1	0.01
THCVA	Tetrahydrocannabivarinic acid	ND	ND	0.1	0.03
CBCV	Cannabichromevarin	ND	ND	0.1	0.01
CBN	Cannabinol	1.09	0.31	0.1	0.01
CBNA	Cannabinolic acid	ND	ND	0.1	0.01
Δ9-THC	Δ9-Tetrahydrocannabinol	94.85	27.10	0.1	0.02
Δ8-THC	Δ8-Tetrahydrocannabinol	ND	ND	0.1	0.02
CBL	Cannabicyclol	ND	ND	0.1	0.02
THCA	Tetrahydrocannabinolic acid	ND	ND	0.1	0.01
CBC	Cannabichromene	ND	ND	0.1	0.01
CBCA	Cannabichromenic acid	ND	ND	0.5	0.05
CBLA	Cannabicyclolic acid	ND	ND	0.1	0.01
CBT	Cannabicitran	1.44	0.41	0.1	0.02

Total THC = Δ9-THC + (THCA * 0.877)	N/A	27.10	N/A	N/A
Total CBD = CBD + (CBDA * 0.877)	N/A	0.10	N/A	N/A

Note: There are no limits established by the Massachusetts Department of Public Health for cannabinoid concentrations. ND = Not Detected. LOQ = Limit of Quantitation. LOD = Limit of Detection.

Microbiological Screen [MCR-TM-0006]*Analyst: NM/AL**Test Date: 23-26 Feb 22*

The sample was analyzed for microbiological contaminants via an automated Most Probable Number (MPN) methodology with cultured enrichments.

Table 2 - S22-10010 Bulk 100mg Milk Chocolate Drops (25382) THC-100MCD-021522 MIP Microbiological Testing

Test ID	Test Analysis	Results	Unit	Limits	Disposition
22-10010-AC	Total Viable Aerobic Bacteria	<100	CFU/g	10 ⁵ CFU/g	Pass
22-10010-YM	Total Yeast and Mold	<100	CFU/g	10 ⁴ CFU/g	Pass
22-10010-CC	Total Coliforms	<100	CFU/g	10 ³ CFU/g	Pass
22-10010-EB	Total Bile-Tolerant Gram Negative Bacteria	<100	CFU/g	10 ³ CFU/g	Pass

Note: CFU = colony forming unit. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

Pathogenic Bacterial Screen [MCR-TM-0012]*Analyst: JDM**Test Date: 24 Feb 22*

The sample was analyzed for pathogenic bacterial contamination via a quantitative Polymerase Chain Reaction (qPCR).

Table 3 - S22-10010 Bulk 100mg Milk Chocolate Drops (25382) THC-100MCD-021522 MIP Pathogen Testing

Test ID	Test Analysis	Result	Units	Limits	Disposition
S22-10010-ECPT	STEC	Not Detected	N/A	Not Detected in 1g	Pass
S22-10010-SPT	Salmonella	Not Detected	N/A	Not Detected in 1g	Pass

Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6. NT = Not tested. STEC = Shiga Toxin producing E. coli

Mycotoxin Screen [MCR-TM-0015]Analyst: SS/TC**Test Date: 23 Feb 22**

The sample was extracted using organic solvents and analyzed via enzyme-linked immunosorbent assay (ELISA). The collected data was compared to data collected from analytical reference standard at known concentrations.

Table 4 - S22-10010 Bulk 100mg Milk Chocolate Drops (25382) THC-100MCD-021522 MIP Mycotoxin Testing

Test ID	Test Analysis	Result	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Disposition
S22-10010-MY	Mycotoxin	Not Detected	10	10	20	Pass

Note: ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppb = part per billion. Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.

END OF REPORT