



Certificate of Analysis

Client Name: Higher Quality Chocolate	Matrix: Solid
Client Address: 1064 Gervais Ave Maplewood, MN 55109	Date Received: 6/30/2025 9:50:00AM
Sample ID: Milk Chocolate Bar MCB-001	Lab Sample ID: 2502593-01
Lot/Batch #: MCB-001	Date of Report: 7/11/2025 2:08:19PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	Yes
Heavy Metals	Yes
Residual Solvents	Yes
Microbial Testing	Yes
Pesticides	Yes



Sample, packaged



Sample, actual

Cannabinoid Profile 2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Cannabidiol (CBD)	0.0186	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Cannabidiolic Acid (CBDA)	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Cannabigerol (CBG)	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Cannabigerolic Acid (CBGA)	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Cannabinol (CBN)	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.00529	0.00529	% by Weight w	HPLC	7/2/25 2:55 pm	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.172	0.0106	% by Weight w	HPLC	7/2/25 3:02 pm	
THCA-A	<0.00106	0.00106	% by Weight w	HPLC	7/2/25 2:55 pm	

Aflatoxins 2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<5.4	5.4	ng/g	LC-MS/MS	7/3/25 7:37 am	
Aflatoxin G1	<2.7	2.7	ng/g	LC-MS/MS	7/3/25 7:37 am	
Aflatoxin B2	<2.7	2.7	ng/g	LC-MS/MS	7/3/25 7:37 am	
Aflatoxin B1	<2.7	2.7	ng/g	LC-MS/MS	7/3/25 7:37 am	
Ochratoxin A	<18	18	ng/g	LC-MS/MS	7/3/25 7:37 am	

Taylor Schertler

Taylor Schertler - Administrative Manager Investigative Chem

Certificate of Analysis

Heavy Metals

2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<250	250	ug/kg wet	EPA 6020B	7/2/25 1:10 am	
Cadmium	200	100	ug/kg wet	EPA 6020B	7/2/25 1:10 am	
Mercury	<100	100	ug/kg wet	EPA 6020B	7/2/25 1:10 am	
Lead	<130	130	ug/kg wet	EPA 6020B	7/2/25 1:10 am	

Residual Solvents

2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Ethanol	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 12:54 pm	
n-Hexane	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 12:54 pm	
n-Pentane	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 12:54 pm	
1-Propanol	<0.0031	0.0031	% by Weight	EPA 8015D	7/3/25 12:54 pm	

Microbial Testing

2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Salmonella	<1.0	1.0	CFU/g	AOAC 2014.01	7/9/25 1:30 pm	
Total Aerobic Bacteria	<120	120	CFU/g	AOAC 990.12	7/9/25 1:48 pm	
Total Bile Tolerant Gram-Negative Bac	<75	75	CFU/g	AOAC 2003.01	7/8/25 2:26 pm	
Total Coliform	<5.0	5.0	CFU/g	AOAC 991.14	7/8/25 2:29 pm	
Total Yeast and Mold	<5.0	5.0	CFU/g	AOAC 997.02	7/10/25 8:40 am	
Total E.coli	<5.0	5.0	CFU/g	AOAC 991.14	7/9/25 1:40 pm	

Certificate of Analysis

Pesticides

2502593-01

Milk Chocolate Bar MCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Aldicarb	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Azoxystrobin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Bifenazate	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Bifenthrin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Boscalid	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Carbaryl	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Carbofuran (Furadan)	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Chlorantranilprole	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Clofentezine	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Cypermethrin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Diazinon	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Dichlorvos	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Dimethoate	<0.019	0.019	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Dursban	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Ethoprophos	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Etofenprox	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Etoxazole	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Fenoxycarb	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Fenpyroximate	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Flonicamid	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Imazalil	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Imidacloprid	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Kresoxim methyl	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Malathion	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Metalaxyl	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Methiocarb	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Methomyl	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Myclobutanil	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Naled	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Oxamyl	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Permethrin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Phosmet	<0.019	0.019	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Piperonyl butoxide	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Prallethrin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Propiconazole	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Propoxur	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Pyrethrin I	<0.037	0.037	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Pyrethrin II	<0.019	0.019	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Pyridaben	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Spinosad	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Spiromesifen	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Spirotetramat	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Spiroxamine	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	
Thiacloprid	<0.15	0.15	ug/g	LC-MS/MS	7/2/25 1:59 pm	

Certificate of Analysis

Thiamethoxam	<0.15	0.15	ug/g	LC-MS/MS	7/2/25	1:59 pm
Trifloxystrobin	<0.15	0.15	ug/g	LC-MS/MS	7/2/25	1:59 pm

Sample Narrative: 2502593-01

Milk Chocolate Bar MCB-001

D9-THC: 4.86mg per piece.

Certificate of Analysis

Notes and Definitions

CFU/g	Colony Forming Units per Gram
HPLC	High-Performance Liquid Chromatography
MS	Mass Spectrometry
<	Less than value listed
RL	Reporting Limit
NA	Not Applicable
QR-2	Analyses are not controlled on RPD values from sample concentrations less than 5 times the reporting limit.
V9	CCV recovery was below method acceptance limits.