

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

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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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All samples will be retained by Legend Technical Services, Inc. unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made. ISO/IEC 17025:2017 Accredited, A2LA Certificate 2950.01.

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Heavy Metals

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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

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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

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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 Bar	<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	

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Pesticides

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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	
Chlorantraniliprole	<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	

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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.

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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.