



## Certificate of Analysis

<b>Client Name:</b> Higher Quality Chocolate	<b>Matrix:</b> Solid
<b>Client Address:</b> 1064 Gervais Ave Maplewood, MN 55109	<b>Date Received:</b> 6/30/2025 9:50:00AM
<b>Sample ID:</b> Dark Milk Chocolate Bar 55DCB-001	<b>Lab Sample ID:</b> 2502593-02
<b>Lot/Batch #:</b> 55DCB-001	<b>Date of Report:</b> 7/11/2025 2:09:11PM

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 2502593-02 Dark Milk Chocolate Bar 55DCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Cannabidiol (CBD)	0.0209	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Cannabidiolic Acid (CBDA)	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Cannabigerol (CBG)	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Cannabigerolic Acid (CBGA)	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Cannabinol (CBN)	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.00540	0.00540	% by Weight w	HPLC	7/2/25 3:23 pm	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.200	0.0108	% by Weight w	HPLC	7/2/25 3:30 pm	
THCA-A	<0.00108	0.00108	% by Weight w	HPLC	7/2/25 3:23 pm	

### Aflatoxins 2502593-02 Dark Milk Chocolate Bar 55DCB-001

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<5.6	5.6	ng/g	LC-MS/MS	7/3/25 7:49 am	
Aflatoxin G1	<2.8	2.8	ng/g	LC-MS/MS	7/3/25 7:49 am	
Aflatoxin B2	<2.8	2.8	ng/g	LC-MS/MS	7/3/25 7:49 am	
Aflatoxin B1	<2.8	2.8	ng/g	LC-MS/MS	7/3/25 7:49 am	
Ochratoxin A	<19	19	ng/g	LC-MS/MS	7/3/25 7:49 am	

*Taylor Schertler*

Taylor Schertler - Administrative Manager Investigative Chem

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**Heavy Metals**

**2502593-02**

**Dark Milk Chocolate Bar 55DCB-001**

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<230	230	ug/kg wet	EPA 6020B	7/2/25 1:15 am	
Cadmium	300	93	ug/kg wet	EPA 6020B	7/2/25 1:15 am	
Mercury	<93	93	ug/kg wet	EPA 6020B	7/2/25 1:15 am	
Lead	<120	120	ug/kg wet	EPA 6020B	7/2/25 1:15 am	

**Residual Solvents**

**2502593-02**

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Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Ethanol	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 3:16 pm	
n-Hexane	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 3:16 pm	
n-Pentane	<0.0030	0.0030	% by Weight	EPA 8015D	7/3/25 3:16 pm	
1-Propanol	<0.0031	0.0031	% by Weight	EPA 8015D	7/3/25 3:16 pm	

**Microbial Testing**

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**Dark Milk Chocolate Bar 55DCB-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	300	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	

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Pesticides

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Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Aldicarb	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Azoxystrobin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Bifenazate	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Bifenthrin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Boscalid	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Carbaryl	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Carbofuran (Furadan)	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Chlorantranilprole	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Clofentezine	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Cypermethrin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Diazinon	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Dichlorvos	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Dimethoate	<0.018	0.018	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Dursban	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Ethoprophos	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Etofenprox	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Etoxazole	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Fenoxycarb	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Fenpyroximate	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Flonicamid	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Imazalil	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Imidacloprid	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Kresoxim methyl	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Malathion	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Metalaxyl	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Methiocarb	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Methomyl	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Myclobutanil	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Naled	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Oxamyl	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Permethrin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Phosmet	<0.018	0.018	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Piperonyl butoxide	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Prallethrin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Propiconazole	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Propoxur	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Pyrethrin I	<0.035	0.035	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Pyrethrin II	<0.018	0.018	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Pyridaben	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Spinosad	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Spiromesifen	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Spirotetramat	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Spiroxamine	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	
Thiacloprid	<0.14	0.14	ug/g	LC-MS/MS	7/2/25 2:17 pm	

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Thiamethoxam	<0.14	0.14	ug/g	LC-MS/MS	7/2/25	2:17 pm
Trifloxystrobin	<0.14	0.14	ug/g	LC-MS/MS	7/2/25	2:17 pm

**Sample Narrative:** 2502593-02

**Dark Milk Chocolate Bar 55DCB-001**

D9-THC: 5.57mg 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.