



New Bloom Labs
6121 Heritage Park Dr.
Chattanooga, TN 37416

(844) 837-8223
http://newbloomlabs.com
Lic# AT-2868

QA Testing

1 of 4

Tolcylen Transdermal Cream

Sample ID: 2509NBL0842.2346

Matrix: Topical

Type: Lotion

Sample Size:

Received: 09/23/2025

Completed: 10/01/2025

Expires: 10/01/2026

External Lot ID: CB09251

Batch#:

Client

Marlinz Pharma

Lic. #

15115 Park Row Dr., Ste 100 Houston, TX 77084

(281) 782-5524 meganv@marlinzpharma.com



Summary

Test	Date Tested	Result
Cannabinoids	09/23/2025	Complete
Residual Solvents	09/23/2025	Complete
Microbials	09/23/2025	Complete
Mycotoxins	09/23/2025	Complete
Pesticides	09/23/2025	Complete
Heavy Metals	09/23/2025	Complete
Foreign Matter	09/23/2025	Not Detected

Cannabinoids

Complete

ND	ND	2.938%	6.103%
Total THC	Δ^9 -THC	Total CBD	Total Cannabinoids

Analyte	LOD	LOQ	Result	Result
	%	%	%	mg/g
(6aR,9R)-d10-THC	0.0101	0.015	ND	ND
9R-HHC	0.0101	0.015	ND	ND
(6aR,9S)-d10-THC	0.0101	0.015	ND	ND
9S-HHC	0.0101	0.015	ND	ND
CBC	0.0101	0.015	ND	ND
CBCa	0.0101	0.015	ND	ND
CBD	0.0101	0.015	2.938	29.38
CBDa	0.0101	0.015	ND	ND
CBDV	0.0101	0.015	<LOQ	<LOQ
CBDVa	0.0101	0.015	ND	ND
CBG	0.0101	0.015	3.165	31.65
CBGa	0.0101	0.015	ND	ND
CBN	0.0101	0.015	ND	ND
CBNa	0.0101	0.015	ND	ND
Δ^8 -THC	0.0101	0.015	ND	ND
Δ^9 -THC	0.0101	0.015	ND	ND
THCa	0.0101	0.015	ND	ND
THCp	0.0101	0.015	ND	ND
THCV	0.0101	0.015	ND	ND
THCVa	0.0101	0.015	ND	ND
Total THC			ND	ND
Total CBD			2.938	29.385
Total			6.103	61.033

Date Tested: 09/23/2025

Testing Method: HPLC, CON-P-3000

Total THC = THCa * 0.877 + Δ^9 -THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; LOD = Limit of Detection, ND = Not Detected

Total THC Measurement of Uncertainty: $\pm 0.040\%$, Total CBD Measurement of Uncertainty: $\pm 2.000\%$



Ashley N Phillips

Ashley Phillips
Laboratory Director
10/01/2025

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Pesticides

Complete

Analyte	LOQ	LOD	Limit	Result	Status	Analyte	LOQ	LOD	Limit	Result	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.099	0.029		ND	Tested	Hexythiazox	0.096	0.029		ND	Tested
Acephate	0.096	0.029		ND	Tested	Imazalil	0.096	0.029		ND	Tested
Acequinocyl	0.096	0.029		ND	Tested	Imidacloprid	0.096	0.029		ND	Tested
Acetamiprid	0.096	0.029		ND	Tested	Kresoxim Methyl	0.096	0.029		ND	Tested
Aldicarb	0.096	0.029		ND	Tested	Malathion	0.096	0.029		ND	Tested
Azoxystrobin	0.096	0.029		ND	Tested	Metalaxyl	0.096	0.029		ND	Tested
Bifenazate	0.096	0.029		ND	Tested	Methiocarb	0.096	0.029		ND	Tested
Bifenthrin	0.096	0.029		ND	Tested	Methomyl	0.096	0.029		ND	Tested
Boscalid	0.096	0.029		ND	Tested	Mevinphos	0.096	0.029		ND	Tested
Captan	0.669	0.201		ND	Tested	MGK-264	0.096	0.029		ND	Tested
Carbaryl	0.096	0.029		ND	Tested	Myclobutanil	0.096	0.029		ND	Tested
Carbofuran	0.096	0.029		ND	Tested	Naled	0.239	0.073		ND	Tested
Chlorantraniliprole	0.096	0.029		ND	Tested	Oxamyl	0.096	0.029		ND	Tested
Chlorfenapyr	0.076	0.029		ND	Tested	Paclobutrazol	0.096	0.029		ND	Tested
Chlormequat	0.096	0.029		ND	Tested	Methyl Parathion	0.076	0.029		ND	Tested
Chlorpyrifos	0.096	0.029		ND	Tested	Pentachloronitrobenzene	0.076	0.029		ND	Tested
Clofentezine	0.096	0.029		ND	Tested	Permethrins	0.096	0.029		ND	Tested
Coumaphos	0.096	0.029		ND	Tested	Phosmet	0.096	0.029		ND	Tested
Cyfluthrin	0.478	0.143		ND	Tested	Piperonyl Butoxide	0.096	0.029		ND	Tested
Cypermethrin	0.478	0.143		ND	Tested	Prallethrin	0.096	0.029		ND	Tested
Daminozide	0.956	0.287		ND	Tested	Propiconazole	0.096	0.029		ND	Tested
Diazinon	0.096	0.029		ND	Tested	Propoxur	0.096	0.029		ND	Tested
Dichlorvos	0.048	0.015		ND	Tested	Pyrethrins	0.478	0.143		ND	Tested
Dimethoate	0.096	0.029		ND	Tested	Pyridaben	0.096	0.029		ND	Tested
Ethoprophos	0.096	0.029		ND	Tested	Spinetoram	0.096	0.029		ND	Tested
Etofenprox	0.096	0.029		ND	Tested	Spinosad	0.098	0.029		ND	Tested
Etoxazole	0.096	0.029		ND	Tested	Spiromesifen	0.096	0.029		ND	Tested
Fenhexamid	0.096	0.029		ND	Tested	Spirotetramat	0.096	0.029		ND	Tested
Fenoxycarb	0.096	0.029		ND	Tested	Spiroxamine	0.096	0.029		ND	Tested
Fenpyroximate	0.096	0.029		ND	Tested	Tebuconazole	0.096	0.029		ND	Tested
Fipronil	0.096	0.029		ND	Tested	Thiacloprid	0.096	0.029		ND	Tested
Flonicamid	0.096	0.029		ND	Tested	Thiamethoxam	0.096	0.029		ND	Tested
Fludioxonil	0.096	0.029		ND	Tested	Trifloxystrobin	0.096	0.029		ND	Tested

Date Tested: 09/23/2025

Testing Method: LC/MS/MS CON-P-5000; GC/MS/MS CON-P-12000



Ashley N Phillips

Ashley Phillips
Laboratory Director
10/01/2025

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Microbials

Complete

Analyte	LOD	Result	Status
	Cq	Cq	
Shiga Toxin-producing E. Coli	31.620	ND	Tested
Salmonella	31.730	ND	Tested
Aspergillus spp. (A. flavus, A. fumigatus, A. terreus, A. niger)	29.780	ND	Tested

Method of Analysis: qPCR, CON-P-6000

Analyte	LOD	Result	Status
	CFU/g	CFU/g	
Aerobic Bacteria	10	ND	Tested
Enterobacteriaceae (BTGN)	10	ND	Tested
Coliforms	10	ND	Tested
Yeast & Mold	10	ND	Tested
E. Coli	10	ND	Tested

Method of Analysis: Petrifilm, CON-P-9000

Date Tested: 09/23/2025

CFU = Colony Forming Units, Cq = Quantification Cycle, ND = Not Detected, LOD = Limit of Detection, ND = Not Detected

Mycotoxins

Complete

Analyte	LOD	LOQ	Limit	Result	Status
	PPB	PPB	PPB	PPB	
B1	2	5		ND	Tested
B2	2	5		ND	Tested
G1	2	5		ND	Tested
G2	2	5		ND	Tested
Total Aflatoxins	2	5		ND	Tested
Ochratoxin A	6	19		ND	Tested

Date Tested: 09/23/2025

Testing Method: LC/MS/MS, CON-P-5000

Heavy Metals

Complete

Analyte	LOD	LOQ	Limit	Result	Status
	PPM	PPM	PPM	PPM	
Arsenic	0.050	0.100		ND	Tested
Cadmium	0.050	0.100		ND	Tested
Lead	0.050	0.100		ND	Tested
Mercury	0.050	0.100		ND	Tested
Palladium	0.050	0.249		ND	Tested
Selenium	0.050	0.100		ND	Tested

Date Tested: 09/23/2025

Testing Method: ICP/MS, CON-P-7000



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Residual Solvents

Complete

Analyte	LOD PPM	LOQ PPM	Limit PPM	Result PPM	Status
Acetone	71.293	237.643		ND	Tested
Benzene	0.285	0.951		ND	Tested
n-Butane	65.589	218.631		ND	Tested
Isobutane	65.589	218.631		ND	Tested
Ethanol	71.293	237.643		>10000.000	Tested
Ethyl Acetate	71.293	237.643		ND	Tested
Heptane	71.293	237.643		ND	Tested
n-Hexane	1.426	4.753		ND	Tested
2,2-Dimethylbutane	1.426	4.753		ND	Tested
3-Methylpentane	1.426	4.753		ND	Tested
2-Methylpentane/2,3-Dimethylbutane	2.852	9.506		ND	Tested
Methanol	28.517	95.057		ND	Tested
Isopentane	65.589	218.631		ND	Tested
n-Pentane	28.517	95.057		<LOQ	Tested
Neopentane	65.589	218.631		ND	Tested
2-Propanol	71.293	237.643		ND	Tested
Propane	285.171	950.570		ND	Tested
Toluene	0.143	0.475		ND	Tested
Ethylbenzene	0.143	0.475		ND	Tested
m/p-Xylene	0.143	0.475		<LOQ	Tested
o-Xylene	0.143	0.475		ND	Tested

Date Tested: 09/23/2025

Testing Method: HS-GC/MS, CON-P-8000



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