

TPM-MT-1500

Sample ID: SA-250423-60726
Batch: 51711L1
Type: Finished Product - Ingestible
Matrix: Oil / Liquid - MCT Oil
Unit Mass (g):

Received: 04/24/2025
Completed: 05/21/2025



Summary

Test:
Cannabinoids
Melatonin

Date Tested:
05/02/2025
05/21/2025

Status:
Tested
Tested

ND	44.4 mg/mL	57.2 mg/mL	Not Tested	Not Tested	Yes
Total Δ9-THC	Total CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND	ND
CBCA	0.00181	0.00543	ND	ND	ND
CBCV	0.0006	0.0018	ND	ND	ND
CBD	0.00081	0.00242	44.42206	4.72	1330
CBDa	0.00043	0.0013	ND	ND	ND
CBDV	0.00061	0.00182	0.22525	0.0239	6.76
CBDVA	0.00021	0.00063	ND	ND	ND
CBG	0.00057	0.00172	0.60698	0.0645	18.2
CBGA	0.00049	0.00147	ND	ND	ND
CBL	0.00112	0.00335	ND	ND	ND
CBLA	0.00124	0.00371	ND	ND	ND
CBN	0.00056	0.00169	11.92779	1.27	358
CBNA	0.0006	0.00181	ND	ND	ND
CBT	0.0018	0.0054	ND	ND	ND
Δ4,8-iso-THC	0.0087	0.02	NT	NT	NT
Δ8-iso-THC	0.0087	0.02	NT	NT	NT
Δ8-THC	0.00104	0.00312	ND	ND	ND
Δ8-THCV	0.0087	0.02	NT	NT	NT
Δ9-THC	0.00076	0.00227	ND	ND	ND
Δ9-THCA	0.00084	0.00251	ND	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND	ND
THC	0.0087	0.02	NT	NT	NT
Total Δ9-THC			ND	ND	ND
Total			57.2	6.07	1720

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ8-THC; Total CBD = CBDA * 0.877 + CBD



Generated By: Ryan Bellone
Commercial Director
Date: 05/21/2025



Tested By: Nicholas Howard
Scientist
Date: 05/02/2025



ISO/IEC 17025:2017 Accredited
Accreditation #06851



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples meet criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide mass assessment uncertainty upon request.

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Received: 05/19/2025

Completed: 05/27/2025


 Heavy Metals
 Microbials
 Mycotoxins
 Pesticides
 Residual Solvents

 05/22/2025
 05/27/2025
 05/22/2025
 05/22/2025
 05/21/2025

 Tested
 Tested
 Tested
 Tested
 Tested

Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
Mercury	0.012	0.05	ND

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 Generated By: Ryan Bellone
 Commercial Director
 Date: 05/27/2025



 Tested By: Natalia Wright
 Laboratory Technician
 Date: 05/22/2025


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KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS
<https://kcalabs.com>
KDA Lic# P_0058

Certificate of Analysis

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TPM-MT-1500

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Melatonin

Analyte	Result	Unit	LQD	LOQ
Melatonin	6.62	mg/mL		

Generated By: Ryan Bellone
Commercial Director

NEW BLOOM LABS
621 Heritage Park Drive
Suite A500
Chattanooga, TN 37416
Tested By: Subcontracted Laboratory

Date: 05/21/2025

Date: 05/21/2025

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Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Acenaphthene	30	100	ND
Acenaphthene	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metasul	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Myiochaps	30	100	ND
Chlorantraniliprole	30	100	ND	Myoclobutanil	30	100	ND
Chlorfenvinphos	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Quar	30	100	ND
Clofentazone	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	ND
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethionaphos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Solrmetifen	30	100	ND
Fenprophate	30	100	ND	Solrotetramat	30	100	ND
Flipronil	30	100	ND	Spiroxamine	30	100	ND
Fluazamud	30	100	ND	Tebuconazole	30	100	ND
Fludioxonil	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

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Generated By: Ryan Bellone
Commercial Director
Date: 05/27/2025

Tested By: Anthony Mattingly
Scientist
Date: 05/22/2025



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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
Ochratoxin A	1	5	ND

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Scientist
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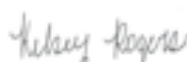
Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
<u>N,N</u> -Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
<u>N,N</u> -Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

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Generated By: Ryan Bellone
Commercial Director
Date: 05/27/2025



Tested By: Kelsey Rogers
Scientist
Date: 05/21/2025
