

Certificate of Analysis

Green Analytics MD, LLC (ITL License: L-17-00002) Report Created: 07/27/2025

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Harvest Of Maryland Cultivati

Licensee Permit #: GA-23-00002

Item Name: MarylandMantis_Flower

Test Tag: 1A40303000000C9000106015 Source Package: 1A40303000000C9000097700

Sample Received: 07/23/2025

Lab ID: HVG106015	Manifest ID:	1873606		METRC Lab Test Batch:	Raw Plant Material	
Cannabinoids* Analyte	**MRL	Date Tested Unit	7/24/2025 Unit	■ CBD Cannabinoids*		
400		% (w/w)	mg/g	■ CBDa		
CBD CBDa	0.1	< MRL	< MRL	2211		
CBN	0.1 0.1	< MRL < MRL	< MRL < MRL	■ CBN		
Δ9-THC	0.1	< MRL 0.35	< IVIKL	■ Δ9-THC		
ТНСа	0.1	25.56	255.6	■ ∆9-111C		
CBDV	0.1	< MRL	< MRL	■ THCa		
CBG	0.1	< MRL	< MRL	- CDD)//		
CBGa	0.1	0.66	6.6	■ CBDV		
Δ8-THC	0.1	< MRL	< MRL	■ CBG		
THCV	0.1	< MRL	< MRL	- 656		
СВС	0.1	< MRL	< MRL	■ CBGa		
THCVa	0.1	1.20	12.0	- AO THG		
				■ Δ8-THC		
				■ THCV		
Total THC D8THC+D9THC+(THCA*0.877)		22.76		- 11101		
Total Cannabinoids		27.77	277.7	■ CBC		
Methods: SOP-025-GA; SOP-073-GA		Instru	rument: HPLC-PDA	- THCVo		
*dry-weight potency				■ THCVa		
Terpenes		Date Tested	7/24/2025			
Ånalyte	MRL	Unit	Unit			
dala Birana	%	% (w/w)	mg/g	Pesticides	Mycotoxins	
alpha-Pinene	0.01	0.02	0.2		•	
Camphene Sabinene	0.01 0.01	< MRL	< MRL	PASS	PASS	
Sabinene beta-Pinene	0.01	< MRL	< MRL			
beta-Pinene beta-Myrcene	0.01	0.03	0.3	Heavy Metals	Microbials	
вета-мугсене 3-Carene	0.03	0.77	7.7	PASS	PASS	
alpha-Terpinene	0.01	Not Tested < MRL	Not Tested < MRL	PASS	PASS	
p-Cymene	0.01	< MRL Not Tested	< MKL Not Tested			
d-Limonene	0.10	0.27	2.7	Water Activity	Solvents	
Eucalyptol	0.01	< MRL	< MRL	PASS	Not Required	
Ocimene	0.10	< MRL	< MRL			
gamma-Terpinene	0.01	< MRL	< MRL	Moisture Content	Equaign Matter	
Sabinene hydrate	0.01	< MRL	< MRL	ivioisture Content	Foreign Matter	
Terpinolene	0.01	< MRL	< MRL	PASS	PASS	
Fenchone	0.01	< MRL	< MRL			
Linalool	0.05	0.32	3.2	Vitamin E Acetate		
Fenchol	0.01	0.03	0.3			
Isopulegol	0.01	Not Tested	Not Tested	Not Required		
Camphor	0.01	< MRL	< MRL			
Isoborneol Borneol	0.01 0.02	< MRL	< MRL			
Borneoi Menthol	0.02	< MRL	< MRL			
Terpineol	0.07	< MRL < MRL	< MRL < MRL	<u> </u>		
Nerol	0.10	< MRL	< MRL		1961日	
Pulegone	0.05	< MRL	< MRL		الكانية	
Geraniol	0.20	< MRL	< MRL	一貫の変数	MEN A	
Geraniol acetate	0.20	< MRL	< MRL	765-16	67% €	
alpha-Cedrene	0.01	Not Tested	Not Tested		መ የቀናኔት	
beta-Caryophyllene	0.01	0.72	7.2	No. of the second	883 <u>16</u> 3	
alpha-Humulene	0.01	0.18	1.8	<u> [7.5</u> 4,1]	22 470 6	
Valencene	0.01	< MRL	< MRL		3/** 	
cis-Nerolidol	0.05	< MRL	< MRL		**************************************	
trans-Nerolidol	0.10	< MRL	< MRL	,		
Caryophyllene oxide	0.01	0.03	0.3	(la falalia.		
Guaiol	0.01	< MRL	< MRL	the polarine		
Cedrol beta-Eudesmol	0.01	< MRL	< MRL	1/21/2023		
	0.01	0.05	0.5	Daniel Kulakowski Lab Director, Green Analytics Maryland		
alpha-Bisabolol	0.05	0.13	1.3	Lab Director, Green Analytics Maryland		
Total		2.55	25.5			

[†] Where statements of conformity are reported ('pass' vs. 'fail'), the simple acceptance decision rule is applied.

Results pertain to sample received according to sampling procedure SOP-065-MD and relate only to items tested. Action limits set according to MMCC Technical Authority for Medical Cannabis Testing, Revision 4.0 (EXT-732-MD)

 $[\]textit{\#All testing activities (except sampling) took place at the laboratory address listed on transfer manifest.}\\$



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Harvest Of Maryland Cultivati

Licensee Permit #: GA-23-00002

Item Name: MarylandMantis_Flower

Test Tag: 1A40303000000C9000106015 Source Package: 1A40303000000C9000097700

Sample Received: 07/23/2025

Lab ID: HVG106015	Manifest ID: 1873606				METRC Lab Test Batch:			Raw Plant Material		
Heavy Metals			Date Tested	7/24/2025	Microbials			Date Tested	7/26/202	
Analyte	Limit	MRL	Unit	Status	Analyte	Limit	MRL	Unit	State	
	ppm	ppm	ppm		1	CFU/g	CFU/g	CFU/g		
Arsenic	0.4	0.10	< MRL	PASS	Total Yeast and Mold Count	100000	200	321	PA	
Cadmium	0.4	0.10	< MRL	PASS	Total Aerobic Microbial Count	100000	200	< MRL	PA	
Chromium	0.6	0.15	< MRL	PASS	Total Coliforms	100	200	Not Required		
Mercury	0.2	0.05	< MRL	PASS	E.coli	1		Not Detected	PA	
Lead	1.0	0.05	< MRL	PASS	STEC	Not Detected		Not Required	FA	
	1.0	0.23		strument: ICP-MS	Salmonella	Not Detected		Not Detected	PA	
Methods: SOP-061-GA; SOP-072-GA			In	strument: ICP-MS					PA	
					L. monocytogenes Methods: SOP-700-MD; SOP-709-MD; SOP	Not Detected P-719-MD		Not Required		
Residual Solvents					Water Activity			Date Tested	7/26/202	
Analyte	Limit	MRL	Unit	Status	Analyte	Limit		Unit	State	
_	ppm	ppm	ppm			Aw		Aw		
Propane	5000	43.4	Not Required		Water Activity	0.65		0.526	PA	
n-Butane	5000	94.0	Not Required		Methods: SOP-059-GA			Instrument: Wo	iter activity me	
ethanol	5000	535.0	Not Required							
hexanes	290	63.3	Not Required							
benzene	2	0.4	Not Required		Moisture Content					
n-Heptane	5000	540.0	Not Required		Analyte			Unit	State	
toluene	890	190.0	Not Required					%		
total xylenes	2170	1936.0	Not Required		Moisture Content			6.450	PAS	
			Not Required	ument: GC-HS-MS	Moisture Content Methods: SOP-055-GA					
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate	2170		Not Required Instru		Methods: SOP-055-GA Foreign Matter	Limit		Instrument: Date Tested	PAS Moisture analyze 7/23/202	
total xylenes Methods: SOP-010-GA; SOP-067-GA	2170 Limit	1936.0	Not Required Instru Unit	ument: GC-HS-MS	Methods: SOP-055-GA Foreign Matter Analyte	Limit		Instrument:	Moisture analyz	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte	Limit	1936.0	Not Required Instru Unit PPM		Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Statu	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate	2170 Limit	1936.0	Not Required Instru Unit PPM Not Required		Methods: SOP-055-GA Foreign Matter Analyte			Instrument: Date Tested	Moisture analyz 7/23/202	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA	Limit	1936.0	Not Required Instru Unit PPM Not Required	Status	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA	Limit	1936.0	Not Required Instru Unit PPM Not Required	Status	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate	Limit	1936.0	Not Required Instru Unit PPM Not Required Instru	Status ument: LC-MS/MS	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins	2170 Limit PPM 100.0	1936.0 LC-MS/MS	Unit PPM Not Required Instru	Status ument: LC-MS/MS 7/24/2025	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence	99 m	Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins	Limit PPM 100.0	1936.0 LC-MS/MS	Unit PPM Not Required Instru	Status ument: LC-MS/MS 7/24/2025	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence	総回	Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins Analyte	Limit PPM 100.0	LC-MS/MS MRL ppb	Unit PPM Not Required Instru Unit PPM Not Required Instru Date Tested Unit Ppb	Status ument: LC-MS/MS 7/24/2025 Status	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stati	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins Analyte Aflatoxin B1	Limit PPM 100.0	1936.0 LC-MS/MS MRL ppb 10.0 10.0	Unit PPM Not Required Instru Date Tested Unit Ppb MRL MRL	Status ument: LC-MS/MS 7/24/2025 Status PASS	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stat	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins Analyte Aflatoxin B1 Aflatoxin B2 Aflatoxin G1	Limit PPM 100.0	1936.0 LC-MS/MS MRL ppb 10.0 10.0 10.0	Unit PPM Not Required Instru Date Tested Unit ppb < MRL < MRL < MRL	Status Jument: LC-MS/MS 7/24/2025 Status PASS PASS PASS	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analy. 7/23/202 Stat	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins Analyte Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Limit PPM 100.0	MRL ppb 10.0 10.0 10.0 10.0	Unit PPM Not Required Instru PPM Not Required Instru Date Tested Unit Ppb < MRL < MRL < MRL < MRL	Status ument: LC-MS/MS 7/24/2025 Status PASS PASS PASS PASS PASS	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stat	
total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA Mycotoxins Analyte Aflatoxin B1 Aflatoxin B2 Aflatoxin G1	Limit PPM 100.0	1936.0 LC-MS/MS MRL ppb 10.0 10.0 10.0	Unit PPM Not Required Instru Date Tested Unit Ppb < MRL < MRL < MRL < MRL	Status Jument: LC-MS/MS 7/24/2025 Status PASS PASS PASS	Foreign Matter Analyte Prese Foreign Matter	nce/Absence		Instrument: Date Tested Unit	Moisture analyz 7/23/202 Stat	
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total xylenes Methods: SOP-010-GA; SOP-067-GA Vitamin E Acetate Analyte Vitamin E Acetate Methods: SOP-706-MD, SOP-070-GA MyCOTOXINS Analyte Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	Limit PPM 100.0	MRL ppb 10.0 10.0 10.0 10.0	Unit PPM Not Required Instru Date Tested Unit Ppb < MRL < MRL < MRL < MRL	Status www.tc-MS/MS 7/24/2025 Status PASS PASS PASS PASS PASS PASS	Methods: SOP-055-GA Foreign Matter Analyte Prese	nce/Absence		Instrument: Date Tested Unit	Moisture analy 7/23/20 Stat	

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**MRL = Minimum Reporting Limit *dry-weight potency



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Harvest Of Maryland Cultivati

Licensee Permit #: GA-23-00002

Myclobutanil

Azoxystrobin

Flurprimidol

Bifenazate

Item Name: MarylandMantis_Flower

Test Tag: 1A4030300000C9000106015 Source Package: 1A4030300000C9000097700

Sample Received: 07/23/2025

Lab ID: HVG106015	N	Manifest ID: 1873606			METRC Lab Test Batch:			al	
Pesticides			Date Tested	7/24/2025	Pesticides (Continued)				
Analyte	Limit	MRL	Unit	Status	Analyte	Limit	MRL	Unit	Status
	ppm	ppm	ppm			ppm	ppm	ррт	
Daminozide	1.00	0.50	< MRL	PASS	Spirotetramat	0.20	0.10	< MRL	PASS
Ethephon	1.00	0.50	< MRL	PASS	Kresoxym-methyl	0.40	0.20	< MRL	PASS
Oxamyl	1.00	0.50	< MRL	PASS	Diazinon	0.20	0.10	< MRL	PASS
Flonicamid	1.00	0.50	< MRL	PASS	Propiconazole	0.40	0.20	< MRL	PASS
Methomyl	0.40	0.20	< MRL	PASS	Spinosad A	0.20	0.10	< MRL	PASS
Thiamethoxam	0.20	0.10	< MRL	PASS	Trifloxystrobin	0.20	0.10	< MRL	PASS
Imidacloprid	0.40	0.20	< MRL	PASS	Spinosad D	0.20	0.10	< MRL	PASS
Dimethoate	0.20	0.10	< MRL	PASS	Pyrethrin II	1.00	0.50	< MRL	PASS
Acetamiprid	0.20	0.10	< MRL	PASS	Chlorpyrifos	0.20	0.10	< MRL	PASS
Thiacloprid	0.20	0.10	< MRL	PASS	Spiromesifen	0.20	0.10	< MRL	PASS
Aldicarb	0.40	0.20	< MRL	PASS	Piperonyl Butoxide	1.00	0.50	< MRL	PASS
Dichlorvos	0.10	0.05	< MRL	PASS	Etoxazole	1.00	0.50	< MRL	PASS
Carbofuran	0.20	0.10	< MRL	PASS	Hexythiazox	1.00	0.50	< MRL	PASS
Ancymidol	0.20	0.10	< MRL	PASS	Pyrethrin I	1.00	0.50	< MRL	PASS
Carbaryl	0.20	0.10	< MRL	PASS	Fenpyroximate	0.20	0.10	< MRL	PASS
Clofentazine	0.20	0.10	< MRL	PASS	Cyfluthrin	1.00	0.50	< MRL	PASS
Imazalil	0.20	0.10	< MRL	PASS	Permethrin	0.50	0.25	< MRL	PASS
Naled	0.50	0.25	< MRL	PASS	Abamectin B1a	0.50	0.25	< MRL	PASS
Metalaxyl	0.20	0.10	< MRL	PASS	Bifenthrin	0.20	0.10	< MRL	PASS
Chloantraniliprole	0.20	0.10	< MRL	PASS	Fludioxonil	0.40	0.20	< MRL	PASS
Phosmet	0.20	0.10	< MRL	PASS	Fipronil	0.40	0.20	< MRL	PASS
Malathion	0.20	0.10	< MRL	PASS	Methods: SOP-062-GA; SOP-070-GA			Instrum	ent: LC-MS/MS
Boscalid	0.40	0.20	< MRL	PASS					
Paclobutrazol	0.40	0.20	< MRL	PASS					
Methiocarb	0.20	0.10	< MRL	PASS					

PASS

PASS

7/27/2025

Daniel Kulakowski

Lab Director, Green Analytics Maryland

0.20

0.20

0.10

0.10

< MRL

< MRL

< MRL

< MRL

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