



Hyrule Cannabis

16217 Westwoods Business Park
Ellisville, MO 63021
bob@hyrulecannabis.com

Lic. #MAN000103

Sample: 2508GCA0577.2854

Strain: peppermint
Sampling Date & Received: 08/28/2025
Report Created: 08/31/2025
Lab ID: 25-2767
Sampling Size: ; Process Procedure: TM-124

M00002280420: _Blue Key Tincture 4-1 1600mg Peppermint

Ingestible, Tincture, Alcohol

Harvest Process Lot: ; METRC Batch: 1A40C0300005E25000001641; METRC Sample: 1A40C0300005E25000001642



Safety

Pass Pesticides	Pass Microbials	Pass Mycotoxins	Not Tested NT Water Activity
Pass Solvents	Pass Metals	Pass Foreign Matter	Not Tested NT Moisture

Cannabinoids

Equipment Used: HPLC
SOP #: TM-120
Date Tested: 08/30/2025

54.405 mg/serving Total THC	13.479 mg/serving Total CBD	69.963 mg/serving Total Cannabinoids
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Analyte	CAS #	LOQ mg/serving	Mass mg/serving	Mass %
THCa	23978-85-0	1.929	ND	ND
Δ9-THC	1972-08-3	1.929	54.405	5.440
Δ8-THC	5957-75-5	1.929	ND	ND
THCVa	39986-26-0	1.929	ND	ND
THCV	31262-37-0	1.929	ND	ND
CBDa	1244-58-2	1.929	ND	ND
CBD	013956-29-1	1.929	13.479	1.348
CBDV	24274-48-4	1.929	ND	ND
CBN	521-35-7	1.929	ND	ND
CBGa	25555-57-1	1.929	ND	ND
CBG	25654-31-3	1.929	2.079	0.208
CBC	20675-51-8	1.929	ND	ND
Total			69.963	6.996

1 Serving = ML, 1.000g30 servings per container1632.1 mg THC per container
Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD

Terpenes

Equipment Used:
SOP #:
Date Tested:

Analyte	CAS #	LOQ	Mass	Mass
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Notes:



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David Jenkins
Approved By:
David Jenkins
Laboratory Director

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Certificate of Analysis



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Mycotoxins

Equipment Used: LCMS
SOP #: TM-119
Date Tested: 08/30/2025

Pass

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPB	PPB	PPB	
B1	1162-65-8	1.00	20.00	ND	Pass
B2	7220-81-7	1.00	20.00	ND	Pass
G1	1165-39-5	1.00	20.00	ND	Pass
G2	7241-98-7	1.00	20.00	ND	Pass
Ochratoxin A	303-47-9	1.00	20.00	ND	Pass
Total Aflatoxins		1.00	20.00	ND	Pass
Total Mycotoxins		1.00	20.00	ND	Pass

Microbials

Equipment Used: GCA-008 & GCA-394
SOP #: TM-116
Date Tested: 08/30/2025

Pass

Analyte	Results	Status
Aspergillus spp.	ND	Pass
Aspergillus flavus	ND	Pass
Aspergillus fumigatus	ND	Pass
Aspergillus niger	ND	Pass
Aspergillus terreus	ND	Pass
E. Coli	ND	Pass
Salmonella	ND	Pass
Yeast & Mold	ND	Pass

Includes Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, Aspergillus terreus.
GCA does not test for total Yeast and Mold.

Heavy Metals

Equipment Used: ICPMS
SOP #: TM-115
Date Tested: 08/30/2025

Pass

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPM	PPM	PPM	
Arsenic	7440-38-2	0.05	1.50	ND	Pass
Cadmium	7440-43-9	0.05	0.50	ND	Pass
Chromium	7439-97-6	0.05	2.00	ND	Pass
Lead	7439-92-1	0.05	0.50	ND	Pass
Mercury	7440-47-3	0.05	3.00	ND	Pass

Residual Solvents

Equipment Used: Headspace GCMS
SOP #: TM-121
Date Tested: 08/30/2025

Pass

Analyte	CAS #	LOQ	Limit	Mass	Status
		PPM	PPM	PPM	
1,2-Dichloro-Ethane	0107-06-02	3	5	ND	Pass
Acetone	67-64-1	3	5000	ND	Pass
Acetonitrile	75-05-8	3	410	ND	Pass
Benzene	71-43-2	3	2	ND	Pass
Butane	106-97-8	3	5000	ND	Pass
Chloroform	67-66-3	3	60	ND	Pass
Ethanol	64-17-5	3	5000	ND	Pass
Ethyl-Acetate	141-78-6	3	5000	ND	Pass
Ethyl-Ether	60-29-7	3	5000	ND	Pass
Ethylene Oxide	75-21-8	3	50	ND	Pass
Heptane	142-82-5	3	5000	4	Pass
Hexanes	110-54-3	3	290	ND	Pass
Isopropanol	67-63-0	3	5000	ND	Pass
Methanol	67-56-1	3	3000	ND	Pass
Methylene-Chloride	75-09-2	3	600	ND	Pass
Pentane	109-66-0	3	5000	ND	Pass
Propane	74-98-6	3	5000	ND	Pass
Toluene	108-88-3	3	890	ND	Pass
Trichloroethylene	79-01-6	3	80	ND	Pass
Xylenes	1330-20-7	5	2170	ND	Pass



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Chemical Residue

Pass

Equipment Used: GCMS, LCMS
SOP #: TM-119
Date Tested: 08/30/2025

Analyte	cas	LOQ PPM	Limit PPM	Result PPM	Status
Abamectin		0.070	0.500	ND	Pass
Acephate		0.020	0.400	ND	Pass
Acequinocyl		0.040	2.000	ND	Pass
Acetamiprid		0.020	0.020	ND	Pass
Aldicarb		0.040	0.400	ND	Pass
Azoxystrobin		0.030	0.200	ND	Pass
Bifenazate		0.030	0.200	ND	Pass
Bifenthrin		0.020	0.200	ND	Pass
Boscalid		0.050	0.400	ND	Pass
Carbaryl		0.040	0.200	ND	Pass
Carbofuran		0.040	0.200	ND	Pass
Chlorantranilprole		0.030	0.200	ND	Pass
Chlorfenapyr		0.040	1.000	ND	Pass
Chlormequat chloride		0.020	0.200	ND	Pass
Chlorpyrifos		0.030	0.200	ND	Pass
Clofentezine		0.050	0.200	ND	Pass
Cyfluthrin		0.120	1.000	ND	Pass
Cypermethrin		0.040	1.000	ND	Pass
Daminozide		0.060	1.000	ND	Pass
Diazinon		0.030	0.200	ND	Pass
Dichlorvos		0.030	1.000	ND	Pass
Dimethoate		0.020	0.200	ND	Pass
Ethoprophos		0.030	0.200	ND	Pass
Etofenprox		0.020	0.400	ND	Pass
Etoazole		0.020	0.200	ND	Pass
Fenoxycarb		0.020	0.200	ND	Pass
Fenpyroximate		0.030	0.400	ND	Pass
Fipronil		0.030	0.400	ND	Pass
Fonicamid		0.020	1.000	ND	Pass
Fludioxonil		0.030	0.400	ND	Pass
Hexythiazox		0.030	1.000	ND	Pass
Imazalil		0.070	0.200	ND	Pass
Imidacloprid		0.040	0.400	ND	Pass
Kresoxim Methyl		0.030	0.400	ND	Pass
Malathion		0.020	0.200	ND	Pass

Note: Permethrins cumulative residue of cis- and trans-permethrin isomers; Pyrethrins cumulative residues of pyrethrin 1, cinerin 1 and jasmolin 1. Jasmolin 1 Cas #4466-14-2; Cinerin 1 Cas #25402-06-6; Pyrethrin 1 Cas #121-21-1



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Chemical Residue

Pass

Equipment Used: GCMS, LCMS
SOP #: TM-119
Date Tested: 08/30/2025

Analyte	cas	LOQ PPM	Limit PPM	Result PPM	Status
Metalaxyl		0.030	0.200	ND	Pass
Methiocarb		0.020	0.200	ND	Pass
Methomyl		0.030	0.400	ND	Pass
Methyl Parathion		0.020	0.200	ND	Pass
MGK-264		0.020	0.200	ND	Pass
Myclobutanil		0.030	0.200	ND	Pass
Naled		0.040	0.500	ND	Pass
Oxamyl		0.020	1.000	ND	Pass
Paclobutrazol		0.020	0.400	ND	Pass
Permethrins		0.020	0.200	ND	Pass
Phosmet		0.020	0.200	ND	Pass
Piperonyl Butoxide		0.030	2.000	0.068	Pass
Prallethrin		0.030	0.200	ND	Pass
Propiconazole		0.040	0.400	ND	Pass
Propoxur		0.030	0.200	ND	Pass
Pyrethrins		0.010	1.000	ND	Pass
Pyridaben		0.030	0.200	ND	Pass
Spinosad		0.010	0.200	ND	Pass
Spiromesifen		0.030	0.200	ND	Pass
Spirotetramat		0.020	0.200	ND	Pass
Spiroxamine		0.030	0.400	ND	Pass
Tebuconazole		0.030	0.400	ND	Pass
Thiacloprid		0.020	0.200	ND	Pass
Thiamethoxam		0.030	0.200	ND	Pass
Trifloxystrobin		0.030	0.200	ND	Pass

Note: Permethrins cumulative residue of cis- and trans-permethrin isomers; Pyrethrins cumulative residues of pyrethrin 1, cinerin 1 and jasmolin 1. Jasmolin 1 Cas #4466-14-2; Cinerin 1 Cas #25402-06-6; Pyrethrin 1 Cas #121-21-1



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