



# Certificate of Analysis for

Balanced Health Botanicals  
 1500 W Hampden Ave, Unit 5G  
 Sheridan, CO 80110



CDPHE: SHH2555

1260980 Full Spectrum Oil 150mg CBN + 450mg CBD Matrix: Tincture

Received: 4/9/2026 @ 23.5 °C

Sample ID: 2604493-001

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Aspergillus flavus	Absent	1	1	CFU/1 g	4/14/2026	Aspergillus fumigatus	Absent	1	1	CFU/1 g	4/14/2026
Aspergillus niger	Absent	1	1	CFU/1 g	4/14/2026	Aspergillus terreus	Absent	1	1	CFU/1 g	4/14/2026

Method: Aspergillus via AOAC PTM 022103 (Gene-Up® PCR)

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Water Activity	0.261	0.0001	0.0001	aW	4/13/2026 2:36:00 PM	<b>Method: aW via AquaLab Tunable Diode Laser Methods</b>					

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Cannabichromene (CBC)	0.647	0.00740	0.00370	mg/mL	4/13/2026	Cannabicitran (CBT)	< 0.200	0.00740	0.00370	mg/mL	4/13/2026
Cannabidiol (CBD)	15.9	0.00740	0.00370	mg/mL	4/13/2026	Cannabidiolic Acid (CBDA)	0.283	0.00740	0.00370	mg/mL	4/13/2026
Cannabidivarin (CBDV)	1.74	0.00740	0.00370	mg/mL	4/13/2026	Cannabigerol (CBG)	0.361	0.00740	0.00370	mg/mL	4/13/2026
Cannabinol (CBN)	5.37	0.00740	0.00370	mg/mL	4/13/2026	Delta - 9 THC (THC)	0.558	0.00740	0.00370	mg/mL	4/13/2026
Delta 9 - Tetrahydrocannabinolic Acid (THCA-A)	<LOD	0.00740	0.00370	mg/mL	4/13/2026	Potential CBD	1.71	NA	NA	%	4/13/2026
Potential THC	0.0589	NA	NA	%	4/13/2026	Tetrahydrocannabivarin (THCV)	< 0.100	0.00740	0.00370	mg/mL	4/13/2026

Method: Cannabinoids via MBL-HPLC2

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Escherichia coli	<LOD	10	10	CFU/g	4/14/2026	<b>Method: EC by mass via AOAC OM 2018.13 (Petrifilm™)</b>					

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Aerobic Plate Count	<LOD	10	10	CFU/g	4/14/2026	<b>Method: AC by mass via AOAC 2015.13 (Petrifilm™) CDPHE Compliant</b>					

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Total Coliform Bacteria	<LOD	10	10	CFU/g	4/14/2026	<b>Method: CC by mass via AOAC OM 2018.13 (Petrifilm™) CDPHE Compliant</b>					

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Salmonella spp.	Absent	1	1	CFU/25 g	4/14/2026	Shiga toxin-producing E. coli (stx)	Absent	1	1	CFU/25 g	4/14/2026

Method: STEC Salmonella via AOAC PTM 092101 CDPHE Compliant

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Arsenic (As)	<LOD	0.0200	0.00510	mg/kg (ppm)	4/13/2026	Cadmium (Cd)	<LOD	0.0100	0.00510	mg/kg (ppm)	4/13/2026
Lead (Pb)	<LOD	0.00500	0.00170	mg/kg (ppm)	4/13/2026	Mercury (Hg)	<LOD	0.00500	0.00180	mg/kg (ppm)	4/13/2026

Method: Metals via ICP-MS (AOAC SMPR® 2020.001) CDPHE Compliant

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Yeast and Mold	<LOD	10	10	CFU/g	4/14/2026	<b>Method: YM by mass via AOAC RI 121301 (Petrifilm™) CDPHE Compliant</b>					

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Aflatoxin B1	<LOD	10.0	2.50	µg/kg (ppb)	4/10/2026	Aflatoxin B2	<LOD	10.0	2.50	µg/kg (ppb)	4/10/2026
Aflatoxin G1	<LOD	10.0	2.50	µg/kg (ppb)	4/10/2026	Aflatoxin G2	<LOD	10.0	2.50	µg/kg (ppb)	4/10/2026
Ochratoxin A	<LOD	20.0	5.00	µg/kg (ppb)	4/10/2026	<b>Method: Mycotoxins by LC-MS</b>					



# Certificate of Analysis for

Balanced Health Botanicals

1500 W Hampden Ave, Unit 5G

Sheridan, CO 80110

CDPHE: SHH2555

1260980 Full Spectrum Oil 150mg CBN + 450mg CBD Matrix: Tincture



Received: 4/9/2026 @ 23.5 °C

Sample ID: 2604493-001

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
Abamectin	<LOD	25.0	10.0	µg/kg (ppb)	4/10/2026	Accephate	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Acequinocyl	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026	Acetamiprid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Aldicarb	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Azoxystrobin	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Bifenazate	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Bifenthrin	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026
Boscalid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Carbaryl	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Carbofuran	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Chlorantraniliprole	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Chlorfenapyr	<LOD	50.0	20.0	µg/kg (ppb)	4/10/2026	Chlorpyrifos	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026
Clofentezine	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Coumaphos	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Cyfluthrin	<LOD	100	20.0	µg/kg (ppb)	4/10/2026	Cypermethrin	<LOD	50.0	10.0	µg/kg (ppb)	4/10/2026
Daminozide	<LOD	25.0	10.0	µg/kg (ppb)	4/10/2026	Diazinon	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Dichlorvos	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Dimethoate	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Dimethomorph	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Ethoprophos	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Etofenprox	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026	Etoxazole	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Fenhexamid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Fenoxycarb	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Fenpyroximate	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Fipronil	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Fonicamid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Fludioxonil	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Hexythiazox	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Imazalil	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Imidacloprid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Kresoxim-methyl	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Malathion	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Metalaxyl	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Methiocarb	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Methomyl	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Mevinphos	<LOD	50.0	10.0	µg/kg (ppb)	4/10/2026	Myclobutanil	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Naled	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Oxamyl	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Paclobotrazol	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Permethrin	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026
Phosmet	<LOD	25.0	2.50	µg/kg (ppb)	4/10/2026	Piperonyl Butoxide	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Prallethrin	<LOD	25.0	10.0	µg/kg (ppb)	4/10/2026	Propiconazole	<LOD	20.0	5.00	µg/kg (ppb)	4/10/2026
Propoxur	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Pyrethrins	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Pyridaben	<LOD	25.0	5.00	µg/kg (ppb)	4/10/2026	Spinetoram	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Spinosad A	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Spinosad D	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Spiromesifen	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Spirotetramat	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Spiroxamine	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Tebuconazole	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Thiacloprid	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026	Thiamethoxam	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026
Trifloxystrobin	<LOD	10.0	3.33	µg/kg (ppb)	4/10/2026						

Method: Pesticides by LC/MS/MS (Agilent App - Determination of Pesticides and Mycotoxins)



# Certificate of Analysis for

Balanced Health Botanicals

1500 W Hampden Ave, Unit 5G

Sheridan, CO 80110

CDPHE: SHH2555

1260980 Full Spectrum Oil 150mg CBN + 450mg CBD Matrix: Tincture



Received: 4/9/2026 @ 23.5 °C

Sample ID: 2604493-001

Analysis	Result	LOQ	LOD	Units	Analyzed	Analysis	Result	LOQ	LOD	Units	Analyzed
(+/-)-2-Butanol	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026	1,1-Dichloroethene	<LOD	5.00	1.00	mg/kg (ppm)	4/13/2026
1,2-Dichloroethane	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026	1,2-Dimethoxyethane	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026
1,4-Dioxane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026	1-Butanol	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
1-Pentanol	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	1-Propanol	<LOD	100	25.0	mg/kg (ppm)	4/13/2026
2,2-Dimethylbutane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026	2,3-Dimethylbutane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026
2-Ethoxyethanol	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026	2-Methoxyethanol	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
2-Methyl-1-propanol	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	2-Methylbutane (Isopentane)	<LOD	75.0	15.0	mg/kg (ppm)	4/13/2026
2-Methylpentane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026	2-Propanol	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
3-Methyl-1-Butanol	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	3-Methylpentane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026
Acetone	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Acetonitrile	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Anisole	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Benzene	<LOD	0.500	0.250	mg/kg (ppm)	4/13/2026
Butyl Acetate	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Chloroform	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026
Cumene	<LOD	70.0	25.0	mg/kg (ppm)	4/13/2026	Cyclohexane	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Diethyl ether	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Ethanol	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Ethyl Acetate	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Ethyl benzene	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026
Ethyl Ether	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	Ethylene Glycol	<LOD	100	25.0	mg/kg (ppm)	4/13/2026
Ethylene Oxide	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026	Formamide	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Heptane	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Hexane	<LOD	2.00	0.500	mg/kg (ppm)	4/13/2026
Isobutane	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	Isobutyl acetate	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Isopropyl acetate	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026	Methanol	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Methyl Acetate	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	Methylbutyl Ketone	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026
Methylene Chloride	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026	Methylethyl Ketone	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Methylisobutyl Ketone	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	N,N-Dimethylacetamide	<LOD	100	25.0	mg/kg (ppm)	4/13/2026
N,N-Dimethylformamide	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026	n-Butane	<LOD	100	25.0	mg/kg (ppm)	4/13/2026
Neopentane	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	Nitromethane	<LOD	25.0	5.00	mg/kg (ppm)	4/13/2026
N-Methylpyrrolidone	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Pentane	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Propane	<LOD	100	25.0	mg/kg (ppm)	4/13/2026	Propyl Acetate	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026
Pyridine	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026	Sulfolane	<LOD	100	25.0	mg/kg (ppm)	4/13/2026
Tert-Butylmethyl Ether	<LOD	50.0	10.0	mg/kg (ppm)	4/13/2026	Tetrahydrofuran	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026
Tetralin	<LOD	10.0	2.50	mg/kg (ppm)	4/13/2026	Toluene	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026
Trichloroethene	<LOD	1.00	0.500	mg/kg (ppm)	4/13/2026	Xylenes (p-, m-, o-)	<LOD	40.0	10.0	mg/kg (ppm)	4/13/2026

Method: Residual Solvents by Headspace GC/MS

Reported By Jake S Hedges, Operations Manager, 4/17/2026