



410 South Arthur Ave, Louisville, CO, 80027

720-726-5132

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05.033.06

Specification Sheet: **Complete 25 CBDA + CBD Oil (COX)**

COX (Complete 25 CBDA + CBD Oil) is an oil meant for oral ingestion. It consists of hemp extract blended with organic fractionated coconut oil, and steam distilled hemp terpenes.

Application and Use	Dietary Supplement	Appearance	Greenish-brown, oily liquid
Composition	8.5 - 11.5% hemp extract by weight 88 - 91% olive oil by weight 0.6% hemp terpenes by weight	Odor	Grassy, earthy odor
Organic status	Extract: not certified Fractionated Coconut oil: certified organic	Consistency	Viscous below 32 degrees Fahrenheit
Organic Certification	Not certified organic	Density	0.945 mg/mL - 0.955 mg/ mL
Storage and Shelf Life	2 years (730 days) from the date of production in original packaging. Store cool dark and dry.	Solubility	Soluble in oils and ethanol
Wholesale Sell by Date	1 year (365 days) from the date of production in original packaging. Store at ambient temperature.	Internal Sell by Date	6 months from expiration date in original packaging. Store at ambient temperature.
Packaging	30ml, 60ml amber glass essence bottle, glass graduated dropper cap, tamper-evident shrink wrap and label.	Label Part	30 mL: COX30 60 mL: LCOX60
Fill Level	30 mL: 27.6g - 29.8g 60 mL: 55.2g - 59.6g	Inventory Part	30 mL: COX-30 60 mL: LCOX-60

Ingredient	Organic Fractionated Coconut Oil (MCT)	CAS #	73398-61-5 / 65381-09-1
Botanical Name	<i>Cocos nucifera</i>	Organic Certification	Certified Organic
Plant parts used in oil	Nut	Country of Origin	Singapore

Ingredient	Organic Decarboxylated Hemp extract	Item Code	OGDECARB
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Leaves, flowers	Country of Origin	USA

Ingredient	Non-Decarboxylated Hemp extract (RAW)	Item Code	NONDECARB
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Leaves, flowers	Country of Origin	USA

Ingredient	Hemp broad-spectrum distillate	Item Code	BSDIST
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Leaves, flowers	Country of Origin	USA

Ingredient	Hemp terpenes	CAS #	8016-24-8
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Herb	Country of Origin	Canada

Potency - Method: HPLC-DAD	
Total Cannabidiol (CBD + CBDA)	48.75 - 55 mg/mL
CBD:CBDA Ratio	Appx 1:1 (+/- 10%, Minimum: 45%, Maximum 55%)
Tetrahydrocannabinol (THC)	< 0.2%
Tetrahydrocannabinol (THC) per serving (mg)	≤ 0.95 mg/serving
Tetrahydrocannabinol (THC) per container (mg)	30 ml: ≤ 57 mg 60 ml: ≤ 114 mg



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Heavy Metals - Method : ICP-MS or AOAC 2013.06	
Arsenic	< 0.42 ppm
Cadmium	< 0.27 ppm
Mercury	< 0.4 ppm
Lead	< 0.5 ppm

Mycotoxins - Method: GC-MS, LC-MS/MS or UHPLC-MS/MS	
Total Aflatoxin (B1, B2, G1, and G2)	< 20 ppb
Aflatoxin B1	< 5 ppb
Total Ochratoxin	< 5 ppb

Microbiological Contamination - Method: Petrifilm, RAPID, Plating, or PCR	
Total Aerobic Bacteria	< 10,000 CFU/g
Total E. coli / Coliforms	< 100 CFU/g
Total Yeast & Mold	< 1,000 CFU/g
Salmonella	Absent/25 g
E. coli (STEC)	Absent/25 g

Solvents			
Test Method: GC/MS, HPLC			
1-Butanol	< 5000 ppm	1-Pentanol	< 5000 ppm
1,2-Dichloroethane	< 1.0 ppm	1,2-Dimethoxyethane	< 100 ppm
1,4-Dioxane	< 380 ppm	2-Butanol	< 5000 ppm
2-Ethoxyethanol	< 160 ppm	2,2-Dimethylbutane (Neohexane)	< 290 ppm
2-Methylbutane (Isopentane)	< 5000 ppm	2,3-Dimethylbutane	< 290 ppm
2-Propanol (Isopropyl Alcohol)	< 500 ppm	2-Methylpentane	< 290 ppm
2,2-Dimethylpropane (neo-pentane)	< 200 ppm	Isopentane (2-Methylbutane)	< 290 ppm
Acetone	< 5000 ppm	3-Methylpentane	< 290 ppm
Total Butanes	< 500 ppm	Acetonitrile	< 410 ppm
Chloroform	< 1.0 ppm	Benzene	< 1.0 ppm
Dimethyl sulfoxide (DMSO)	< 5000 ppm	Cyclohexane	< 500 ppm
Ethyl acetate	< 1000 ppm	Ethanol	< 1000 ppm
Ethyl ether	< 5000 ppm	Ethylbenzene	< 2170 ppm
Ethylene glycol	< 620 ppm	Ethylene oxide	< 1.0 ppm
Isopropylbenzene (Cumene)	< 70 ppm	Total Hexanes	< 290 ppm



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Solvents			
Test Method: GC/MS, HPLC			
Dichloromethane (Methylene Chloride)	< 10 ppm	Isopropyl acetate	< 5000 ppm
n-Heptane	< 500 ppm	Methanol	< 500 ppm
n-Pentane	< 1000 ppm	2-Butanone (Methylethyl ketone)	< 5000 ppm
N,N-Dimethylacetamide	< 1090 ppm	Isopentane (2-Methylbutane)	< 5000 ppm
Total Pentanes	< 500 ppm	n-Butane	< 2000 ppm
Tetrahydrofuran	< 720 ppm	n-hexane	< 60 ppm
Total Xylenes	< 217 ppm	1-Propanol (n-Propanol)	< 5000 ppm
Total Heptanes	< 1000 ppm	N,N-Dimethylformamide	< 880 ppm
1,2-Dimethylbenzene (o-Xylene)	< 2170 ppm	Propane	< 500 ppm
1,3-Dimethylbenzene (m-Xylene)	< 2170 ppm	Pyridine	< 100 ppm
1,4-Dimethylbenzene (p-Xylene)	< 2170 ppm	Toluene	< 180 ppm
1,1-Dichloroethene	< 8 ppm	Trichloroethylene	< 1.0 ppm
1,2-Dichloroethene	< 5 ppm	Sulfolane	< 160 ppm

Pesticides - Method: AOAC 2007.01, LCMS/MS	
Abamectin	< 0.25 ppm
Acephate	< 0.05 ppm
Acequinocyl	< 0.2 ppm
Acetamiprid	< 0.05 ppm
Aldicarb	< 0.09 ppm
Allethrin	< 0.092 ppm
Atrazine	< 0.5 ppm
Azadirachtin	< 0.5 ppm
Azoxystrobin	< 0.01 ppm
Benzovindiflupyr	< 0.01 ppm
Bifenazate	< 0.01 ppm
Bifenthrin	< 0.2 ppm
Boscalid	< 0.01 ppm
Buprofezin	< 0.02 ppm
Carbaryl	< 0.025 ppm
Chlorantraniliprole	< 0.2 ppm
Chlorfenapyr	< 0.1 ppm
Chlorpyrifos	< 0.2 ppm
Clofentezine	< 0.01 ppm
Clothianidin	< 0.025 ppm
Coumaphos	< 0.01 ppm



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Pesticides - Method: AOAC 2007.01, LCMS/MS	
Cyantraniliprole	< 0.01 ppm
Cyfluthrin	< 1 ppm
λ-Cyhalothrin	< 1 ppm
Cypermethrin	< 1 ppm
Cyprodinil	< 0.01 ppm
Daminozide	< 0.1 ppm
Deltamethrin	< 1 ppm
Diazinon	< 0.2 ppm
Dichlorvos (DDVP)	< 0.05 ppm
Dimethoate	< 0.01 ppm
Dimethomorph	< 3 ppm
Dinotefuran	< 0.05 ppm
Diuron	< 1 ppm
Dodemorph	< 1 ppm
Endosulfan I (alpha)	< 2.5 ppm
Endosulfan II (beta)	< 2.5 ppm
Endosulfan sulfate	< 2.5 ppm
Ethoprophos	< 0.01 ppm
Etofenprox	< 0.1 ppm
Etoxazole	< 0.02 ppm
Etridiazole	< 0.15 ppm
Fenhexamid	< 3 ppm
Fenoxycarb	< 0.01 ppm
Fenpyroximate	< 0.4 ppm
Fensulfothion	< 0.01 ppm
Fenthion	< 0.01 ppm
Fenvalerate	< 1 ppm
Fipronil	< 0.01 ppm
Flonicamid	< 0.025 ppm
Fludioxonil	< 0.01 ppm
Fluopyram	< 0.01 ppm
Hexythiazox	< 1 ppm
Imazalil	< 0.01 ppm
Imidacloprid	< 0.01 ppm
Iprodione	< 0.50 ppm
Kinoprene	< 1.25 ppm
Kresoxim Methyl	< 0.15 ppm
Malathion	< 0.01 ppm
Metaxyl	< 0.01 ppm
Methiocarb	< 0.01 ppm
Methomyl	< 0.025 ppm
Methoprene	< 2 ppm
Methyl Parathion (parathion-methyl)	< 0.1 ppm
Mevinphos	< 0.025 ppm
MGK-264	< 0.2 ppm



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Pesticides - Method: AOAC 2007.01, LCMS/MS	
Myclobutanil	< 0.01 ppm
Naled	< 0.5 ppm
Novaluron	< 0.025 ppm
Oxamyl	< 0.2 ppm
Paclobutrazol	< 0.01 ppm
Pentachloronitrobenze (Quintozene)	< 0.2 ppm
Permethrin	< 0.2 ppm
Phenothrin	< 1 ppm
Phosmet	< 0.02 ppm
Piperonyl butoxide	< 1.25 ppm
Pirimicarb	< 0.01 ppm
Prallethrin	< 0.2 ppm
Propiconazole	< 0.4 ppm
Propoxur	< 0.01 ppm
Pyraclostrobin	< 0.01 ppm
Pyrethrins	< 1 ppm
Pyridaben	< 0.02 ppm
Pyriproxyfen	< 1 ppm
Resmethrin	< 0.05 ppm
Spinetoram	< 0.01 ppm
Spinosad	< 0.01 ppm
Spirodiclofen	< 1 ppm
Spiromesifen	< 0.2 ppm
Spirotetramat	< 0.01 ppm
Spiroxamine	< 0.4 ppm
Tebuconazole	< 0.01 ppm
Tebufenozide	< 0.01 ppm
Teflubenzuron	< 0.025 ppm
Tetrachlorvinphos	< 0.01 ppm
Tetramethrin	< 1 ppm
Thiabendazole	< 1 ppm
Thiacloprid	< 0.01 ppm
Thiamethoxam	< 0.01 ppm
Thiophanate-Methyl	< 1 ppm
Trifloxystrobin	< 0.01 ppm

Version #	Date Revised	Revised By	Revision
0	12/7/2020	Kasey Irwin	Original, added to document registry
1	1/11/2021	Kasey Irwin	Updated Plant Parts
2	7/7/2021	Kasey Irwin	Updated cdphe requirements (not pesticides) & THC per serving, container
3	4/08/2022	Seth Bazata	Updated carrier oil to FCO, adjusted expiration dates, update testing methods



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4	5/16/2022	Harrington Baker	Updated name to match label changes, updated to CBDa & CBD potency to match updated label claim
5	7/18/2022	Seth Bazata	Updated to match new lab and state analyte limits, potency spec UOM to mg/mL to match 3rd party lab results, changed listed name, added inventory part.
6	12/2/2022	Harrington Baker	Minor update to pesticide and solvents/pesticide analytes and limits, update all inventory parts to match fishbowl asnd contract manufacturer, added fill level specification and label part #