



500 South Arthur Ave Unit 300, Louisville, CO, 80027  
 720-726-5132  
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## Specification Sheet : Hemp Seed Oil

### Description

Hemp seed oil is a raw ingredient used in all edible oil products except Complete and Complete 6x. It consists of organic cold pressed hemp seeds from Canada.

### General information

<b>Supplier</b>	Hemp Production Services
<b>Application and Use</b>	Dietary Supplement
<b>Composition</b>	100% Hemp seed oil by weight
<b>Organic Certification</b>	Certified Organic
<b>Storage and Shelf Life</b>	12 months from date of production in original packaging. Store cool dark and dry.
<b>Ingredients used in</b>	C, CL, CLX, S, SX,

### Ingredients

<b>Ingredient</b>	Hemp seed oil	<b>Item Code</b>	HSO
<b>Botanical Name</b>	<i>Cannabis sativa</i>	<b>Organic Certification</b>	Certified Organic
<b>Plant parts used in oil</b>	Seed	<b>Country of Origin</b>	Canada

### Specification

<b>Appearance</b>	Translucent green liquid
<b>Odor</b>	Mild and nutty
<b>Consistency</b>	Liquid
<b>Density</b>	0.915 - 0.925
<b>Solubility</b>	Soluble at oils

### Heavy Metals - Testing Methods : ICP-MS

Arsenic	< 10 ppb
Cadmium	< 10 ppb
Mercury	< 10 ppb
Lead	< 20 ppb

### Mycotoxins - Testing Methods: IAC

Total Aflatoxin	< 20 ppb
Total Ochratoxin	< 20 ppb

### Microbiological Contamination - Testing Methods: AOAC 990.12, AOAC 991.14, CMMEF, 3M Method

Total Aerobic Bacterial Count	< 100,000 CFU/g
Total Coliform Bacterial Count	< 100 CFU/g
Total Bile Tolerant Gram Negative Count	< 1,000 CFU/g
Total Yeast and Mold	< 1,000 CFU/g



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Pesticides - Testing Methods: GC-MS/MS, LC-MS/MS	
<p>Flufenoxuron, Fonofos, HCH alpha- (alpha-BHC), Indoxacarb, Iprovalicarb, Oxamyl, Phorate, Pyraclostrobin, S421, Terbutometon, Thiamethoxam, Acrinathrin, Methiocab sulfone, Parathion-methyl, Penconazole, Pentachlorothioanisole, Perthane (Ethylan), Profenofos, Profluralin, Prothioconazole-desthio, Prothiofos, Pyriproxyfen, Spinosad (spinosyns A and D), Tebufenpyrad, Thiachloprid, Thiophanate-methyl, Triadimenol, Trichlorfon (Metrifonate), Other Tested Pesticides, Extraction Method, Ametryn, Bendiocarb, Bromophos-ethyl, Bromophos-methyl, Bromuconazole (2 diastereoisomers), Carbofuran, Carbophenothion, Chlordane cis-, Clofentezine, Cyproconazole (2 diastereoisomers), Demeton-O, Endosulfan sulfate, Endrin, Ethoprophos (Ethoprop), Etrifos, Fenamiphos, Chlordane trans-, Chlorpyrifos, Cyprodinil, DDE op-, DDT op-, Dicofof, Dieltrin, Dimethomorph (E- and Z-isomers), Dioxacarb, Disulfoton, Endosulfan II (beta-isomer), EPN, Fenamidone, Fenarimol, Fenobucarb, Fensulfothion, Fenthion oxon sulfoxide, Fenthion sulfone, Fipronil, Fluvalinate tau- (sum of isomers), Hexachlorobenzene (HCB), Hexazinone, Hexythiazox, Lindane (gamma-HCH gamma-BHC), Methidathion, Methiocarb sulfoxide, Methoxyfenozide, Metribuzin, Nitralin, Omethoate, Oxychlordane, Phorate sulfone, Phosalone, Pirimiphos-ethyl, Propham, Pyrimethanil, Tebufenozide, Teflubenzuron, Terbutylazine, Terbutryn, Tetradifon, Thiodicarb, Ethoxyquin, All Tested Pesticides, Abamectin, Aldrin, Aminocarb, Azinphos-ethyl, Benfluralin, Captan (as THPI), Aldicarb sulfone (Aldoxycarb), Carbaryl, Carbofuran-3-hydroxy-, Carfentrazone-ethyl, Clethodim (E- and Z-isomers), Coumaphos, Cyhalothrin lambda-, DDD op-, Demeton-S, Difenconazole (cis- and trans-), Etofenprox, Fenamiphos sulfoxide, Fenbuconazole, Fenhexamid, Fenitrothion, Fenthion, Fenthion oxon, Fipronil desulfinyl, Fipronil sulfone, Flutolanil, HCH delta- (delta-BHC), Imazalil, Isofenphos, Mepanipyrim, Spiromesifen, Tetrachlorvinphos, Vinclozolin, Carbendazim, Chlorfenvinphos (E- and Z-isomers), Chlorpyrifos-methyl, Cypermethrin, Deltamethrin, Fenazaquin, Fensulfothion oxon, Fenvalerate/Esfenvalerate (sum of isomer, Fosthiazate (sum of isomers), Haloxyfop-methyl, Malaoxon, Methoprotryne, Methoxychlor, Metolachlor, Mirex, Myclobutanil, Norflurazon, Novaluron, Pentachloroanisole, Pentachlorobenzonitrile, Phosmet oxon, Phosphamidon (E- and Z-isomers), Phoxim, Pirimicarb-desmethyl, Pirimiphos-methyl, Propargite, Pymetrozine, Pyrethrum (total), Pyridaben, Quintozene, Simazine, Tolclofos-methyl, Triflumizole, Triflumuron, Trifluralin, Folpet, Formetanate, Acetamidrid, Azinphos-methyl, Buprofezin, Butoxycarboxim, Cyanazine, Cyfluthrin, Cyromazine, DDD pp-, DDT pp-, Dichlofenthion, Dichlorvos, Epoxiconazole, Ethiofencarb, Etozazole, Fenchlorphos (Ronnel), Fenpyroximate, Fluazifop-butyl, Fludioxonil, Fluquinconazole, HCH beta- (beta-BHC), Heptachlor, Iprodione, Isoproturon, Lufenuron, Metalaxyl, Methacrifos, Metolcarb, Molinate, Parathion, Phenylphenol 2- (OPP), Piperonyl butoxide, Pirimiphos-methyl N-desethyl-, Procymidone, Prometon, Propyzamide (Pronamide), Sethoxydim (E- and Z-isomers), Simetryn, Terbacil, Terbufos sulfone, Zoxamide, Captan, Atrazine, Benalaxyl, Bensulide, Azoxystrobin, Bifenazate, Bifenthrin, Bitertanol, Bromopropylate, Bupirimate, Cadusafos, Clothianidin, Dacthal (Chlorothal-dimethyl DCPA), Demeton-S-methyl, Dichlobenil, Disulfoton sulfone, DMST (Dimethylaminosulfotoluidide), Endosulfan I (alpha-isomer), Fenoxycarb, Fensulfothion sulfone, Flusilazole, Flutriafol, Metconazole, Methamidophos, Methomyl, Napropamide, Nitrofen, Paclobutrazol, Permethrin (sum of isomers), Phenthoate, Pirimicarb, Propetamphos, Quinalphos, Boscalid, Bromacil, Butachlor, Chlorantraniliprole, Chlorfenapyr, Chlorobenzilate, Chlorpropham (CIPC), Demeton-S-methyl sulfone, Diazinon, Dicrotophos, Dimethoate, Dinitramine, Diphenylamine, Disulfoton sulfoxide, Diuron, Ethalfuralin, Ethion, Fenamiphos sulfone, Fensulfothion oxon sulfone, Fenthion sulfoxide, Hexaconazole, Linuron, Mecarbam, Methiocarb, Mevinphos (E- and Z-isomers), Naled (Dibrom), Oxydemeton-methyl, Paraoxon-methyl, Pentachloroaniline, Pentachlorobenzene, Phorate sulfoxide, Phosmet, Prometryn, Resmethrin (sum of isomers), Sulprofos, Terbufos, Tetrachloroaniline 2356-, Thionazin (Zinophos), Tolyfluanid, Triadimefon, Trifloxystrobin, Chlorothalonil, Aldicarb, Aldicarb sulfoxide, Bifenox, DDE pp-, Dichlofluanid, Dicloran (DCNA), Fenchlorphos oxon, Fenpropathrin, Fenthion oxon sulfone, Flucythrinate (sum of isomers), Heptachlor exo-epoxide, Imidacloprid, Isofenphos-methyl, Isoprocarb, Kresoxim-methyl, Malathion, Mepanipyrim-2-hydroxypropyl, Monocrotophos, Oxadiazon, Oxadixyl, Oxyfluorfen, Paraoxon, Pencycuron, Pendimethalin, Prochloraz, Promecarb, Propanil, Propiconazole (sum of isomers), Propoxur, Pyrazophos, Quinoxifen, Sulfallate, Tebuconazole, Tecnazene, Tefluthrin, Terbufos sulfoxide, Tetraconazole, Thiabendazole, Triazophos, Tribufos (DEF), Triticonazole, Acephate, Alachlor</p>	<p>&lt; 10 ppb</p>



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Nutritional - Testing Methods: AOAC 954.02, AOCS Cd 8b-90, AOCS Ca 5a-40, Veratox Elisa Gliadin R5	
Gluten	<20 ppm
Peroxide Value	0-10 meq/kg
Fat	96-100%

Fatty Acid Profile (Area %) -Ce 2b-11 (2011), Ce 1i-07, Ce 2-66 (2009)	
Palmitic Acid	>4.5%
Stearic Acid	>2%
Oleic Acid	>8.5%
Linoleic Acid	>44%
Alpha Linolenic Acid	>14%

## Specification Sheet : Black Cumin Seed Oil

### Description

Black cumin seed oil is a raw ingredient used in the edible oil products Signature and Signature 6x. It consists of organic cold pressed black cumin seeds from Israel.

### General information

Supplier	Jedwards, Inc
Application and Use	Dietary Supplement
Composition	100% Black Cumin seed oil by weight
Organic Certification	Certified Organic
Storage and Shelf Life	36 months from date of production in original packaging. Store cool dark and dry.
Ingredients used in	S, SX,

### Ingredients

Ingredient	Black Cumin seed oil	Item Code	BC
Botanical Name	<i>Nigella sativa</i>	Organic Certification	Certified Organic
Plant parts used in oil	Seed	Country of Origin	Israel

### Specification

Appearance	Light brown, translucent liquid
Odor	Spicy and pungent odor
Consistency	Liquid oil
Density	0.918 - 0.928
Solubility	Soluble at oils

### Assay

Heavy Metals - Testing Methods : ICP-MS	
Arsenic	< 20 ppb
Cadmium	< 20 ppb
Mercury	< 20 ppb
Lead	< 20 ppb

Mycotoxins - Testing Methods: IAC
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Total Aflatoxin	< 20 ppb
Total Ochratoxin	< 20 ppb

Microbiological Contamination - Testing Methods: AOAC 990.12, AOAC 991.14, CMMEF, 3M Method	
Total Aerobic Bacterial Count	< 10,000 CFU/g
Total Coliform Bacterial Count	< 100 CFU/g
Total Bile Tolerant Gram Negative Count	< 1,000 CFU/g
Total Yeast and Mold	< 1,000 CFU/g

Pesticides - Testing Methods: GC-MS/MS, LC-MS/MS	
<p>Flufenoxuron, Fonofos, HCH alpha-(alpha-BHC), Indoxacarb, Iprovalicarb, Oxamyl, Phorate, Pyraclostrobin, S421, Terbufos, Thiamethoxam, Acrinathrin, Methiocarb sulfone, Parathion-methyl, Penconazole, Pentachlorothioanisole, Perthane (Ethylan), Profenofos, Profluralin, Prothioconazole-dethio, Prothiofos, Pyriproxyfen, Spinosad (spinosyns A and D), Tebufenpyrad, Thiachloprid, Thiophanate-methyl, Triadimenol, Trichlorfon (Metrifonate), Other Tested Pesticides, Extraction Method, Ametryn, Bendiocarb, Bromophos-ethyl, Bromophos-methyl, Bromoconazole (2 diastereoisomers), Carbofuran, Carbophenothion, Chlordane cis-, Clofentezine, Cyproconazole (2 diastereoisomers), Demeton-O, Endosulfan sulfate, Endrin, Ethoprophos (Ethoprop), Etrimfos, Fenamiphos, Chlordane trans-, Chlorpyrifos, Cyprodinil, DDE op-, DDT op-, Dicofol, Dieltrin, Dimethomorph (E- and Z-isomers), Dioxacarb, Disulfoton, Endosulfan II (beta-isomer), EPN, Fenamidone, Fenarimol, Fenobucarb, Fensulfothion, Fenthion oxon sulfoxide, Fenthion sulfone, Fipronil, Fluralinate tau- (sum of isomers), Hexachlorobenzene (HCB), Hexazinone, Hexythiazox, Lindane (gamma-HCH gamma-BHC), Methidathion, Methiocarb sulfoxide, Methoxyfenozide, Metribuzin, Nitralin, Omethoate, Oxychlordane, Phorate sulfone, Phosalone, Pirimiphos-ethyl, Propham, Pyrimethanil, Tebufenozide, Teflubenzuron, Terbutylazine, Terbutryn, Tetradifon, Thiodicarb, Ethoxyquin, All Tested Pesticides, Abamectin, Aldrin, Aminocarb, Azinphos-ethyl, Benfluralin, Captan (as THPI), Aldicarb sulfone (Aldoxycarb), Carbaryl, Carbofuran-3-hydroxy-, Carfentrazone-ethyl, Clethodim (E- and Z-isomers), Coumaphos, Cyhalothrin lambda-, DDD op-, Demeton-S, Difenconazole (cis- and trans-), Etofenprox, Fenamiphos sulfoxide, Fenbuconazole, Fenhexamid, Fenitrothion, Fenthion, Fenthion oxon, Fipronil desulfanyl, Fipronil sulfone, Flutolanil, HCH delta-(delta-BHC), Imazalil, Isofenphos, Mepanipyrim, Spiromesifen, Tetrachlorvinphos, Vinclozolin, Carbendazim, Chlorfenvinphos (E- and Z-isomers), Chlorpyrifos-methyl, Cypermethrin, Deltamethrin, Fenazaquin, Fensulfothion oxon, Fenvalerate/Esfenvalerate (sum of isomer), Fosthiazate (sum of isomers), Haloxypop-methyl, Malaoxon, Methoprotryne, Methoxychlor, Metolachlor, Mirex, Myclobutanil, Noflurazon, Novaluron, Pentachloroanisole, Pentachlorobenzonitrile, Phosmet oxon, Phosphamidon (E- and Z-isomers), Phoxim, Pirimicarb-desmethyl, Pirimiphos-methyl, Propargite, Pymetrozine, Pyrethrum (total), Pyridaben, Quintozene, Simazine, Tolclofos-methyl, Triflumizole, Triflumuron, Trifluralin, Folpet, Formetanate, Acetamiprid, Azinphos-methyl, Buprofezin, Butoxycarboxim, Cyanazine, Cyfluthrin, Cyromazine, DDD pp-, DDT pp-, Dichlofenthion, Dichlorvos, Epoxiconazole, Ethiofencarb, Etoazole, Fenclorophos (Ronnel), Fenpyroximate, Fluazifop-butyl, Fludioxonil, Fluquinconazole, HCH beta-(beta-BHC), Heptachlor, Iprodione, Isoproturon, Lufenuron, Metalaxyl, Methacrifos, Metolcarb, Molinate, Parathion, Phenylphenol 2- (OPP), Piperonyl butoxide, Pirimiphos-methyl N-desethyl-, Procymidone, Prometon, Propyzamide (Pronamide), Sethoxydim (E- and Z-isomers), Simetryn, Terbacil, Terbufos sulfone, Zoxamide, Captan, Atrazine, Benalaxyl, Bensulide, Azoxystrobin, Bifenazate, Bifenthrin, Bitertanol, Bromopropylate, Bupirimate, Cadusafos, Clothianidin, Dacthal (Chlorthal-dimethyl DCPA), Demeton-S-methyl, Dichlobenil, Disulfoton sulfone, DMST (Dimethylaminosulfotoluidide), Endosulfan I (alpha-isomer), Fenoxycarb, Fensulfothion sulfone, Flusilazole, Flutriafol, Metconazole, Methamidophos, Methomyl, Napropamide, Nitrofen, Pacllobutrazol, Permethrin (sum of isomers), Phenthoate, Pirimicarb, Propetamphos, Quinalphos, Boscalid, Bromacil, Butachlor, Chlorantraniliprole, Chlorfenapyr, Chlorobenzilate, Chlorpropham (CIPC), Demeton-S-methyl sulfone, Diazinon, Dicrotophos, Dimethoate, Dinitramine, Diphenylamine, Disulfoton sulfoxide, Diuron, Ethalfluralin, Ethion, Fenamiphos sulfone, Fensulfothion oxon sulfone, Fenthion sulfoxide, Hexaconazole, Linuron, Mecarbam, Methiocarb, Mevinphos (E- and Z-isomers), Naled</p>	< 10 ppb



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(Dibrom),Oxydemeton-methyl,Paraoxon-methyl,Pentachloroaniline,Pentachlorobenzene,Phorate sulfoxide,Phosmet,Prometryn,Resmethrin (sum of isomers),Sulprofos,Terbufos,Tetrachloroaniline 2356-,Thionazin (Zinophos),Tolylfluanid,Triadimefon,Trifloxystrobin,Chlorothalonil,Aldicarb,Aldicarb sulfoxide,Bifenox,DDE pp-,Dichlofluanid,Dicloran (DCNA),Fenchlorphos oxon,Fenpropathrin,Fenthion oxon sulfone,Flucythrinate (sum of isomers),Heptachlor exo-epoxide,Imidacloprid,Isofenphos-methyl,Isoprocarb,Kresoxim-methyl,Malathion,Mepanipyrim-2-hydroxypropyl,Monocrotophos,Oxadiazon,Oxadixyl,Oxyfluorfen,Paraoxon,Pencycuron,Pendimethalin,Prochloraz,Promecarb,Propanil,Propiconazole (sum of isomers),Propoxur,Pyrazophos,Quinoxifen,Sulfallate,Tebuconazole,Tecnazene,Tefluthrin,Terbufos sulfoxide,Tetraconazole,Thiabendazole,Triazophos,Tribufos (DEF),Triticonazole,Acephate,Alachlor	
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Nutritional - Testing Methods: AOAC 954.02, AOCS Cd 8b-90, AOCS Ca 5a-40, Veratox Elisa Gliadin R5	
Gluten	<20 ppm
Peroxide Value	<50 meq/kg
Fat	96-100%

Fatty Acid Profile (Area %) Ce 2-66 (2009), Ce 1b-89 (2009), and Ce 1i-07 (2009)	
Palmitic Acid	10-14%
Palmitoleic Acid	0-0.5%
Stearic Acid	2-5%
Oleic Acid	17-28%
Linoleic Acid	40-67%
Linolenic Acid	0-1%

## Specification Sheet : Frankincense CO2 Essential Oil

### Description

Frankincense CO2 is a raw ingredient used in Signature and Signature 6x edible oil products. It consists of co2 extracted frankincense oil from Somalia.

### General information

Supplier	Eden Botanicals
Application and Use	Dietary Supplement
Composition	100% Frankincense CO2 extract by weight
Organic Certification	Not certified
Storage and Shelf Life	5 years from date of production in original packaging. Store cool dark and dry.
Products used in	COX

### Ingredients

Ingredient	Frankincense CO2 Essential Oil	Item Code	FRANK
Botanical Name	<i>Boswellia carterii</i>	Organic Certification	Not certified
Plant parts used in oil	Resin	Country of Origin	Somalia

### Specification

Appearance	Transparent liquid
Odor	Citrusy, pungent, spicy
Consistency	Liquid
Density	0.87 - 0.93
Solubility	Soluble at oils and ethanol



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**Assay**

<b>Volatile Compounds - Testing Methods:</b>	
Total Essential Oil Content	70-85%
Alpha-Thujene	<10%
Alpha-Pinene	25-50%
Farnesol	<0.1%

<b>Heavy Metals - Testing Methods : ICP-MS</b>	
Arsenic	< 200 ppb
Cadmium	< 100 ppb
Mercury	< 100 ppb
Lead	< 200 ppb

<b>Mycotoxins - Testing Methods: IAC</b>	
Total Aflatoxin	< 20 ppb
Total Ochratoxin	< 20 ppb

<b>Microbiological Contamination - Testing Methods: AOAC 990.12, AOAC 991.14, CMMEF, 3M Method</b>	
Total Aerobic Bacterial Count	< 10,000 CFU/g
Total Coliform Bacterial Count	< 100 CFU/g
Total Bile Tolerant Gram Negative Count	< 1,000 CFU/g
Total Yeast and Mold	< 1,000 CFU/g



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Pesticides - Testing Methods: GC-MS/MS, LC-MS/MS	
<p>Flufenoxuron, Fonofos, HCH alpha-(alpha-BHC), Indoxacarb, Iprovalicarb, Oxamyl, Phorate, Pyraclostrobin, S421, Terbumeton, Thiamethoxam, Acrinathrin, Methiocarb sulfone, Parathion-methyl, Penconazole, Pentachloroanisole, Perthane (Ethylan), Profenofos, Profluralin, Prothioconazole-desthio, Prothiofos, Pyriproxyfen, Spinosad (spinosyns A and D), Tebufenpyrad, Thiocloprid, Thiophanate-methyl, Triadimenol, Trichlorfon (Metrifonate), Other Tested Pesticides, Extraction Method, Ametryn, Bendiocarb, Bromophos-ethyl, Bromoconazole (2 diastereoisomers), Carbofuran, Carbophenothion, Chlordane cis-, Clofentezine, Cyproconazole (2 diastereoisomers), Demeton-O, Endosulfan sulfate, Endrin, Ethoprophos (Ethoprop), Etrifos, Fenamiphos, Chlordane trans-, Chlorpyrifos, Cyprodinil, DDE op-, DDT op-, Dicofol, Dieldrin, Dimethomorph (E- and Z-isomers), Dioxacarb, Disulfoton, Endosulfan II (beta-isomer), EPN, Fenamidone, Fenarimol, Fenobucarb, Fensulfothion, Fenthion oxon sulfoxide, Fenthion sulfone, Fipronil, Fluvalinate tau- (sum of isomers), Hexachlorobenzene (HCB), Hexazinone, Hexythiazox, Lindane (gamma-HCH gamma-BHC), Methidathion, Methiocarb sulfoxide, Methoxyfenozide, Metribuzin, Nitralin, Omethoate, Oxychlordane, Phorate sulfone, Phosalone, Pirimiphos-ethyl, Propham, Pyrimethanil, Tebufenozide, Teflubenzuron, Terbutylazine, Terbutryn, Tetradifon, Thiodicarb, Ethoxyquin, All Tested Pesticides, Abamectin, Aldrin, Aminocarb, Azinphos-ethyl, Benfluralin, Captan (as THPI), Aldicarb sulfone (Aldoxycarb), Carbaryl, Carbofuran-3-hydroxy-, Carfentrazone-ethyl, Clethodim (E- and Z-isomers), Coumaphos, Cyhalothrin lambda-, DDD op-, Demeton-S, Difenconazole (cis- and trans-), Etofenprox, Fenamiphos sulfoxide, Fenbuconazole, Fenhexamid, Fenitrothion, Fenthion, Fenthion oxon, Fipronil desulfinyl, Fipronil sulfone, Flutolanil, HCH delta-(delta-BHC), Imazalil, Isofenphos, Mepanipyrim, Spiromesifen, Tetrachlorvinphos, Vinclozolin, Carbendazim, Chlorfenvinphos (E- and Z-isomers), Chlorpyrifos-methyl, Cypermethrin, Deltamethrin, Fenazaquin, Fensulfothion oxon, Fenvalerate/Esfenvalerate (sum of isomer), Fosthiazate (sum of isomers), Haloxypop-methyl, Malaoxon, Methoprotryne, Methoxychlor, Metolachlor, Mirex, Myclobutanil, Norflurazon, Novaluron, Pentachloroanisole, Pentachlorobenzonitrile, Phosmet oxon, Phosphamidon (E- and Z-isomers), Phoxim, Pirimicarb-desmethyl, Pirimiphos-methyl, Propargite, Pymetrozine, Pyrethrum (total), Pyridaben, Quinotozene, Simazine, Tolclofos-methyl, Triflumizole, Triflumuron, Trifluralin, Folpet, Formetanate, Acetamidrid, Azinphos-methyl, Buprofezin, Butoxycarboxim, Cyanazine, Cyfluthrin, Cyromazine, DDD pp-, DDT pp-, Dichlofenthion, Dichlorvos, Epoxiconazole, Ethiofencarb, Etoxazole, Fenchlorphos (Ronnel), Fenpyroximate, Fluazifop-butyl, Fludioxonil, Fluquinconazole, HCH beta-(beta-BHC), Heptachlor, Iprodione, Isoproturon, Lufenuron, Metalaxyl, Methacrifos, Metolcarb, Molinate, Parathion, Phenylphenol 2- (OPP), Piperonyl butoxide, Pirimiphos-methyl N-desethyl-, Procyimidone, Prometon, Propyzamide (Pronamide), Sethoxydim (E- and Z-isomers), Simetryn, Terbacil, Terbufos sulfone, Zoxamide, Captan, Atrazine, Benalaxyl, Bensulide, Azoxystrobin, Bifenazate, Bifenthrin, Bitertanol, Bromopropylate, Bupirimate, Cadusafos, Clothianidin, Dacthal (Chlorthal-dimethyl DCPA), Demeton-S-methyl, Dichlobenil, Disulfoton sulfone, DMST (Dimethylaminosulfotoluidide), Endosulfan I (alpha-isomer), Fenoxycarb, Fensulfothion sulfone, Flusilazole, Flutriafol, Metconazole, Methamidophos, Methomyl, Napropamide, Nitrofen, Paclobutrazol, Permethrin (sum of isomers), Phenthoate, Pirimicarb, Propetamphos, Quinalphos, Boscalid, Bromacil, Butachlor, Chlorantraniliprole, Chlorfenapyr, Chlorobenzilate, Chlorpropham (CIPC), Demeton-S-methyl sulfone, Diazinon, Dicrotophos, Dimethoate, Dinitramine, Diphenylamine, Disulfoton sulfoxide, Diuron, Ethalfluralin, Ethion, Fenamiphos sulfone, Fensulfothion oxon sulfone, Fenthion sulfoxide, Hexaconazole, Linuron, Mecarbam, Methiocarb, Mevinphos (E- and Z-isomers), Naled (Dibrom), Oxydemeton-methyl, Paraoxon-methyl, Pentachloroaniline, Pentachlorobenzene, Phorate sulfoxide, Phosmet, Prometryn, Resmethrin (sum of isomers), Sulprofos, Terbufos, Tetrachloroaniline 2356-, Thionazin (Zinophos), Tolyfluanid, Triadimefon, Trifloxystrobin, Chlorothalonil, Aldicarb, Aldicarb sulfoxide, Bifenox, DDE pp-, Dichlofluanid, Dicloran (DCNA), Fenchlorphos oxon, Fenpropathrin, Fenthion oxon sulfone, Flucythrinate (sum of isomers), Heptachlor</p> <p>exo-epoxide, Imidacloprid, Isofenphos-methyl, Isoprocarb, Kresoxim-methyl, Malathion, Mepanipyrim-2-hydroxypropyl, Monocrotophos, Oxadiazon, Oxadixyl, Oxyfluorfen, Paraoxon, Pencycuron, Pendimethalin, Prochloraz, Promecarb, Propanil, Propicon</p>	<p>&lt; 10 ppb</p>



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azole (sum of isomers), Propoxur, Pyrazophos, Quinoxifen, Sulfallate, Tebuconazole, Tecnazene, Tefluthrin, Terbufos sulfoxide, Tetraconazole, Thiabendazole, Triazophos, Tribufos (DEF), Triticonazole, Acephate, Alachlor	
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Solvents - Testing Methods: GC/MSD	
Propane	0 ppm
Butanes	0 ppm
Pentane	0 ppm
Ethanol	0 ppm
Acetone	0 ppm
Isopropyl Alcohol	0 ppm
Hexane	0 ppm
Benzene	0 ppm
Heptanes	0 ppm
Toluene	0 ppm
Xylenes	0 ppm

## Specification Sheet : Hemp Signature 6X Blend

### Description

Hemp Signature 6X is an oil meant for oral ingestion. It consists of CO2 and ethanol hemp extract made from Colorado grown hemp blended with cold pressed organic hemp seed oil, cold pressed organic black cumin seed oil, and CO2 extracted frankincense essential oil. It is a dietary supplement.

### General information

Application and Use	Dietary Supplement
Composition	6% - 8% ethanol hemp extract by weight 8% - 9% CO2 hemp extract by weight 40% - 43% hemp seed oil by weight 40% - 43% black cumin seed oil by weight 1.4% - 1.6% frankincense oil by weight
Organic status of raw materials	Extract: not certified Hemp seed oil: certified organic Black cumin seed oil: certified organic
Organic Certification	Not certified organic
Storage and Shelf Life	500 days from date of production in original packaging. Store cool dark and dry.
Packaging	10ml amber glass, 1oz, 2oz cobalt blue glass

### Ingredients

Ingredient	Hemp seed oil	Item Code	HSO
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Organic
Plant parts used in oil	Seed	Country of Origin	Canada

Ingredient	Hemp winterized ethanol extract	Item Code	PP
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified
Plant parts used in oil	Seed, stem, flower	Country of Origin	Colorado, USA

Ingredient	Hemp CO2 extract	Item Code	PSD
Botanical Name	<i>Cannabis sativa</i>	Organic Certification	Not certified





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<b>Plant parts used in oil</b>	Seed, Stem, flower	<b>Country of Origin</b>	Colorado, USA
<b>Ingredient</b>	Black cumin seed oil	<b>Item Code</b>	BC
<b>Botanical Name</b>	<i>Nigella sativa</i>	<b>Organic Certification</b>	Organic
<b>Plant parts used in oil</b>	Seed	<b>Country of Origin</b>	Israel, India

<b>Ingredient</b>	Frankincense CO2 oil	<b>Item Code</b>	FRANK
<b>Botanical Name</b>	<i>Frankincense carterii</i>	<b>Organic Certification</b>	Not certified
<b>Plant parts used in oil</b>	Resin	<b>Country of Origin</b>	Somalia

**Specification**

<b>Appearance</b>	Greenish- brown, oily liquid
<b>Odor</b>	Grassy, earthy odor, with spicy, woody, and resinous notes
<b>Consistency</b>	Viscous below 32 degrees Fahrenheit
<b>Density</b>	0.92 mg/mL - 0.93 mg/mL
<b>Solubility</b>	Soluble in ethanol and oils

**Our Low THC Hemp Extract Product is manufactured by Bluebird Botanicals according to cGMP practices.**

Batch: SX 0269	Batch Size: 37.85 Liters (34.822 Kg)
Total Quantity Produced: 10 ml bottle: 765. 30 ml bottle: 559. 60 ml bottle: 213. Yield: 98.28%.	Supplier Lot Codes: Primary Ingredient: MY-016-002-1424, MY-016-002-1418, CHCR106. Carrier: DABR26FO, 17188. Essential: 345-28 LOT 13.

**Assay**

<b>Potency - Testing Methods: HPLC, UPLC, SFC, GC</b>	
Total Cannabinoids	1500 - 1800 mg/ounce (50 - 60 mg/mL)
Tetrahydrocannabinol (THC)	< 0.3%

<b>Heavy Metals - Testing Methods : ICP-MS</b>	
Arsenic	< 80 ppb
Cadmium	< 10 ppb
Mercury	< 10 ppb
Lead	< 80 ppb

<b>Mycotoxins - Testing Methods: IAC</b>	
Total Aflatoxin	< 20 ppb
Total Ochratoxin	< 20 ppb

<b>Microbiological Contamination - Testing Methods: AOAC 990.12, AOAC 991.14, CMMEF, 3M Method</b>	
Total Aerobic Bacterial Count	< 10,000 CFU/g
Total Coliform Bacterial Count	< 100 CFU/g
Total Bile Tolerant Gram Negative Count	< 1,000 CFU/g
Total Yeast and Mold	< 1,000 CFU/g

<b>Solvents - Testing Methods: GC/MSD</b>	
Propane	0 ppb
Butanes	0 ppb
Pentane	0 ppb
Ethanol	<100 ppb



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Acetone	<100 ppb
Isopropyl Alcohol	<100 ppb
Hexane	0 ppb
Benzene	0 ppb
Heptane	0 ppb
Toluene	0 ppb
Xylenes	0 ppb

Pesticides - Testing Methods: UPLC/MS	
Abamectin 71751-41-2	< 10 ppb
Acequinocyl 57960-19-7	< 10 ppb
Bifenazate 149877-41-8	< 10 ppb
Bifenthrin 82657-04-03 ND ppb	< 10 ppb
Chlormequat chloride 999-81-5	< 10 ppb
Cyfluthrin 68359-37-5	< 10 ppb
Cyfluthrin 68359-37-5	< 10 ppb
Daminozide 1596-84-5	< 10 ppb
Etoxazole 153233-91-1	< 10 ppb
Fenoxycarb 72490-01-8	< 10 ppb
Paclobutrazol 76738-62-0	< 10 ppb
Pyrethrin 8003-34-7	< 10 ppb
Spinosad 168316-95-8	< 10 ppb
Spiromesifen 283594-90-1	< 10 ppb
Myclobutanil 88671-89-0	< 10 ppb
Imazalil 35554-44-0	< 10 ppb
Imidacloprid 138261-41-3	< 10 ppb
Spirotetramat 203313-25-1	< 10 ppb
Trifloxystrobin 141517-21-7	< 10 ppb

DISCLOSURE OF PRODUCT COMPONENTS: OUR LOW THC HEMP EXTRACT PRODUCTS ARE BLENDED USING A COMBINATION OF FULL SPECTRUM CANNABINOID EXTRACTS, ORGANIC CARRIER OILS AND ESSENTIAL OILS, THE CONTENTS, IDENTITY AND PURITY OF WHICH HAVE BEEN TESTED USING A VARIETY OF METHODS, INCLUDING AOAC-APPROVED METHODS OF ANALYSIS. AOAC INTERNATIONAL IS AN INDEPENDENT, INTERNATIONALLY RECOGNIZED 501(C)(3) NOT-FOR-PROFIT ASSOCIATION WHOSE ANALYTICAL STANDARDS APPLY TO A BROAD RANGE OF INDUSTRIES INCLUDING FOODS, BEVERAGES AND DIETARY SUPPLEMENTS. INGREDIENT AND SERVICE PROVIDERS HAVE BEEN QUALIFIED BY AN INTERNAL QUALITY MANAGEMENT TEAM ACCORDING TO A CGMP-COMPLIANT PROTOCOL. THE QUALIFICATION OF A SUPPLIER ENTAILS INGREDIENT TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING ASSAYS: FATTY ACIDS (OFFICIAL METHODS OF ANALYSIS OF AOAC INTERNATIONAL, 18TH ED., METHODS 922.06 AND 954.02), PEROXIDE VALUE (AOAC INTERNATIONAL, OFFICIAL METHODS 965.33 AND 983.23), YEAST AND MOLD ANALYSIS (AOAC INTERNATIONAL, OFFICIAL METHOD 997.02), AEROBIC PLATE COUNT (AOAC INTERNATIONAL, OFFICIAL METHOD 990.12), ELEMENTS (AOAC INTERNATIONAL, OFFICIAL METHODS 2011.19 AND 993.14), REGULATED MYCOTOXINS (CITATION: ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 402:2675-2686), E. COLI AND COLIFORMS (AOAC INTERNATIONAL, OFFICIAL METHOD 991.14), MULTI-RESIDUE ANALYSIS (AOAC INTERNATIONAL, OFFICIAL METHOD 2007.01), GLUTEN (AOAC INTERNATIONAL, OFFICIAL METHOD 2012.01), RESIDUAL SOLVENTS (UNITED STATES PHARMACOPEIA METHOD 467) . THE AFOREMENTIONED METHODS OF ANALYSIS UTILIZE BUT ARE NOT NECESSARILY LIMITED TO QUANTIFICATION BY HPLC, UPLC/MS, GC/MS, IAC, SFC, ICP-MS. INGREDIENT CONSISTENCY IS ADDITIONALLY EVALUATED THROUGH REGULAR ORGANOLEPTIC SCREENING TO CONTROL TASTE, ODOR, COLOR AND CONSISTENCY. THE FOLLOWING SUPPLIERS/ MANUFACTURERS/SERVICE PROVIDERS HAVE BEEN QUALIFIED BY INTERNAL QUALITY MANAGEMENT: HEMP PRODUCTION SERVICES, SUPPLIER OF ORGANIC HEMP SEED OIL, JEDWARDS INTERNATIONAL, SUPPLIER OF ORGANIC HEMP SEED OIL, ORGANIC OLIVE OIL, ORGANIC BLACK CUMIN SEED OIL, EDEN BOTANICALS, SUPPLIER OF SUPER CRITICAL CO2 EXTRACTED FRANKINCENSE (BOSWELLIA CARTERII) AND CANNABIS ESSENTIAL OIL, PURE SPECTRUM, EBL HEALTH, MANUFACTURERS/SUPPLIERS OF CO2 HEMP EXTRACTS, PHYTO BOTANICALS, MANUFACTURER OF ETHANOL HEMP EXTRACT, HAMMER, MANUFACTURER/CO-PACKER OF GEL CAPSULES. PROPRIETARY LOW THC HEMP EXTRACT PRODUCTS ARE MANUFACTURED BY BLUEBIRD BOTANICALS ACCORDING TO CGMP PRACTICES. ALL PRODUCTS ARE TESTED FOR MYCOTOXINS, PESTICIDES, ELEMENTS, RESIDUAL SOLVENTS, TERPENE PROFILES AND CANNABINOID POTENCY TO CONTROL ADHERENCE TO PRODUCT SPECIFICATIONS AND GUARANTEE CONFORMITY TO THE STRICT DEFINITION OF INDUSTRIAL HEMP (<0.3% DELTA9-THC, INCLUDING PRECURSORS). THIRD PARTY LABORATORY ANALYSIS IS CONDUCTED BY BOTANACOR SERVICES, DELTA VERDE LABORATORY, PROVERDE LABORATORIES AND COVANCE INC. ISO ACCREDITED (ISO 17025) ASSAYS ARE PROVIDED BY



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PROVERDE LABORATORIES AND COVANCE INC. SEE PRODUCT SPECIFICATION SHEET ABOVE FOR PRODUCT/INGREDIENT BATCH INFORMATION AND PROJECTED PACKAGING PLAN. ALL SUPPLIERS OF PACKAGING SUPPLIES HAVE BEEN QUALIFIED ACCORDING TO CGMP STANDARDS.