



Certificate of Analysis

Customer:
Stirling Oils
7216 Capulin Crest Dr
Apex, NC 27539

Sample ID: **210309010**
Order Number: **CB210309005**
Sample Name: **5% Berry**

Collected Date:
Received Date: **3/9/2021**
COA Released: **3/10/2021**

External Sample ID:
Batch Number: **021621E**
Product Type: **Other**
Sample Type: **Other**

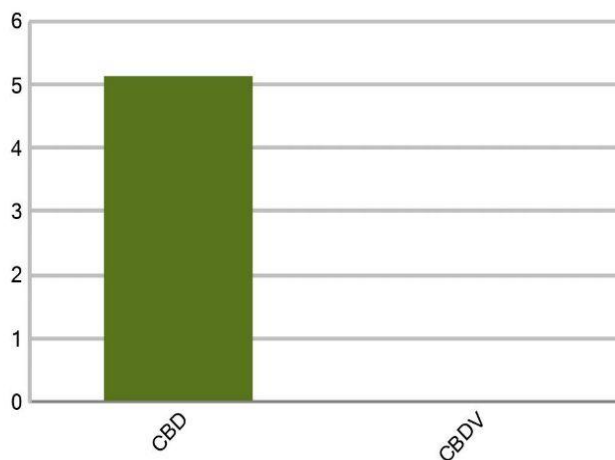
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	5.135	51.35
CBDa	0.01	ND	ND
CBDV	0.01	0.015	0.147
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	ND	ND
Total Cannabinoids		5.150	51.50
Total Potential THC		N/A	N/A
Total Potential CBD		5.135	51.35
Total Potential CBG		N/A	N/A



Cannabinoids (% weight)



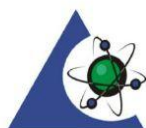
Ratio of Total Potential CBD to Total Potential THC **N/A**

Ratio of Total Potential CBG to Total Potential THC **N/A**

**Total Cannabinoids refers to the sum of all cannabinoids detected.*

**Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.*

**Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.*



PJLA
Testing
Accreditation #109588

Authorized Signature

Jamie Hobgood

Laboratory Manager

03/10/2021 11:57 AM

DATE

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CannaBusiness Laboratories, LLC
2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 210309010
Sample Name: 5% Berry
Sample Type: Other

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Apex, NC 27539



Overall Batch Results	
PASS	
Pesticide PASS	Moisture Content PASS
Potency PASS	Water Activity PASS
Mycotoxins PASS	Heavy Metals PASS
Microbial Screen PASS	Residual Solvents PASS
Terpenoids PASS	

Sample Name: 5% Berry

Sample ID: 210309010

Product Type: Other

Sample Type: Other

Collected Date:

Received Date: 03/09/2021

Batch Number: 021621E

Batch Size:

Sample Size:

COA released: 03/10/2021 11:57 AM

Potency (mg/g)			
Date Tested: 02/19/2021	Method:		
Instrument:			

0.000 %	5.135 %	5.150 %	51.50 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	ND	%	0.010	ND	mg/g
CBD (Cannabidiol)	5.135	%	0.010	51.35	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	0.015	%	0.010	0.147	mg/g
CBG (Cannabigerol)	ND	%	0.010	ND	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Foreign Material	Result	Note
Date Tested: 03/09/2021	Absence	

Water Activity	Result	Units	LOQ	Result
Date Tested: 03/03/2021	0.276	Aw	0.030	Pass

Terpenoids					
Date Tested: 03/06/2021	Method:				
Instrument:					

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	<LOQ	mg/g	0.100	<LOQ	%
alpha-humulene	<LOQ	mg/g	0.100	<LOQ	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	<LOQ	mg/g	0.100	<LOQ	%
Beta-myrcene	<LOQ	mg/g	0.100	<LOQ	%
Beta-pinene	<LOQ	mg/g	0.100	<LOQ	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	<LOQ	mg/g	0.100	<LOQ	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	<LOQ	mg/g	0.100	<LOQ	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	<LOQ	mg/g	0.100	<LOQ	%
Ocimene (mixture of isomers)	<LOQ	mg/g	0.100	<LOQ	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	<LOQ	mg/g	0.100	<LOQ	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

Pesticides			
Date Tested: 03/03/2021	Method:		Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	ND	ppm	0.010	Pass	Acetamiprid	ND	ppm	0.010	Pass
Aldicarb	ND	ppm	0.010	Pass	Azoxystrobin	ND	ppm	0.010	Pass
Bifenazate	ND	ppm	0.010	Pass	Bifenthrin	ND	ppm	0.010	Pass
Boscalid	ND	ppm	0.010	Pass	Carbaryl	ND	ppm	0.010	Pass
Carbofuran	ND	ppm	0.010	Pass	Chlorantraniliprole	ND	ppm	0.010	Pass
Chlorpyrifos	ND	ppm	0.010	Pass	Clofentezine	ND	ppm	0.010	Pass
Coumaphos	ND	ppm	0.010	Pass	Daminozide	ND	ppm	0.010	Pass
Diazinon	ND	ppm	0.010	Pass	Dichlorvos	ND	ppm	0.010	Pass
Dimethoate	ND	ppm	0.010	Pass	Etofenprox	ND	ppm	0.010	Pass
Etoxazole	ND	ppm	0.010	Pass	Fenhexamid	ND	ppm	0.010	Pass
Fenoxycarb	ND	ppm	0.010	Pass	Fenpyroximate	ND	ppm	0.010	Pass

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Sample ID: 210309010
Sample Name: 5% Berry
Sample Type: Other

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Pesticides							
Date Tested: 03/03/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Fipronil	ND	ppm	0.010	Pass	Fonicamid	ND	ppm	0.010	Pass
Fludioxonil	ND	ppm	0.010	Pass	Hexythiazox	ND	ppm	0.010	Pass
Imazalil	ND	ppm	0.010	Pass	Imidacloprid	ND	ppm	0.010	Pass
Malathion	ND	ppm	0.010	Pass	Metalaxyl	ND	ppm	0.010	Pass
Methiocarb	ND	ppm	0.010	Pass	Methomyl	ND	ppm	0.010	Pass
Myclobutanil	ND	ppm	0.010	Pass	Naled	ND	ppm	0.010	Pass
Oxamyl	ND	ppm	0.010	Pass	Paclobutrazol	ND	ppm	0.010	Pass
Phosmet	ND	ppm	0.010	Pass	Prallethrin	ND	ppm	0.010	Pass
Propiconazole	ND	ppm	0.010	Pass	Propoxur	ND	ppm	0.010	Pass
Pyrethrin I	ND	ppm	0.010	Pass	Pyrethrin II	ND	ppm	0.010	Pass
Pyridaben	ND	ppm	0.010	Pass	Spinetoram	ND	ppm	0.010	Pass
Spiromesifen	ND	ppm	0.010	Pass	Spirotetramat	ND	ppm	0.010	Pass
Tebuconazole	ND	ppm	0.010	Pass	Thiacloprid	ND	ppm	0.010	Pass
Thiamethoxam	ND	ppm	0.010	Pass	Trifloxystrobin	ND	ppm	0.010	Pass
Ethoprophos	ND	ppm	0.010	Pass	Kresoxym-methyl	ND	ppm	0.010	Pass
Permethrins	ND	ppm	0.010	Pass	Piperonyl Butoxide	ND	ppm	0.010	Pass
Spinosyn A	ND	ppm	0.010	Pass	Spiroxamine-1	ND	ppm	0.010	Pass
AbamectinB1a	ND	ppm	0.010	Pass	Spinosyn D	ND	ppm	0.010	Pass

Moisture Content							
Date Tested: 03/02/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Percent Moisture	5	%	0.010	Pass					

Mycotoxins							
Date Tested: 03/03/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010	Pass	Aflatoxin B1	ND	ppm	0.010	Pass
Aflatoxin G2	ND	ppm	0.010	Pass	Aflatoxin B2	ND	ppm	0.010	Pass
Aflatoxin G1	ND	ppm	0.010	Pass					

Metals							
Date Tested: 03/04/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500	Pass	Cadmium	<LOQ	ppm	0.500	Pass
Lead	<LOQ	ppm	0.500	Pass	Mercury	<LOQ	ppm	3.000	Pass

Microbial							
Date Tested: 03/05/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative			Pass	Salmonella	Negative			Pass
Listeria spp.	Negative			Pass	L. monocytogenes	Negative			Pass
Yeast/Mold (qPCR)	0	CFUs		Pass					

Residual Solvent							
Date Tested: 03/07/2021		Method:		Instrument:			

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
1-4 Dioxane	<LOQ	ppm	29	Pass	2-Butanol	<LOQ	ppm	175	Pass

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Sample Name: 5% Berry
Sample Type: Other

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Residual Solvent

Date Tested: 03/07/2021 Method: Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
2-Ethoxyethanol	<LOQ	ppm	24	Pass	2-Methylpentane	<LOQ	ppm	87	Pass
3-Methylpentane	<LOQ	ppm	87	Pass	2-Propanol	<LOQ	ppm	350	Pass
Cyclohexane	<LOQ	ppm	146	Pass	Ether	<LOQ	ppm	350	Pass
Ethylbenzene	<LOQ	ppm	81	Pass	Acetone	<LOQ	ppm	350	Pass
Isopropyl Acetate	<LOQ	ppm	175	Pass	Methylbutane	<LOQ	ppm	350	Pass
n-Heptane	<LOQ	ppm	350	Pass	n-Hexane	<LOQ	ppm	87	Pass
n-Pentane	<LOQ	ppm	350	Pass	Tetrahydrofuran	<LOQ	ppm	54	Pass
Acetonitrile	<LOQ	ppm	123	Pass	Ethanol	<LOQ	ppm	350	Pass
Ethyl acetate	<LOQ	ppm	175	Pass	o-Xylene	<LOQ	ppm	81	Pass
m+p-Xylene	<LOQ	ppm	163	Pass	Methanol	<LOQ	ppm	250	Pass
Methylene Chloride	<LOQ	ppm	90	Pass	Toluene	<LOQ	ppm	67	Pass



Authorized Signature


Laboratory Manager

Jamie Hobgood

03/10/2021 11:57 AM

Date Time

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THC Free CBD Oil - Berry 1500mg

Issue Date 10/6/2023
Revision Date 10/6/2023

Ref. 20231006

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	CBD Oil
Product Use	Personal Care
Restrictions for use	See Section 16
Manufacturer/Supplier	Stirling Oils 2500 Regency Parkway Suite 283 Cary, NC 27518 USA
Product Information	800-201-2840 X2
Product Ingredients	Water-soluble MCT Oil derived from coconut oil, Hemp derived CBD extract, and Natural essential oil flavorings.
Product Flavor	Berry
Product formula	1500mg

SECTION 2. HAZARDS IDENTIFICATION

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

Others Hazards

No applicable data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain components that require disclosure according to OSHA Communication Standard 2012.

SECTION 4. FIRST AID MEASURES

General advice	No applicable data available
Inhalation	No hazards which require special first aid measures.
Skin contact	No hazards which require special first aid measures.
Eye contact	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Ingestion	No hazards which require special first aid measures.
Most important symptoms/ effects, acute & delayed	No applicable data available.
Protection of first-aiders	No applicable data available.
Notes to physician	No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Water, Foam, Dry Chemical, Carbon Dioxide (CO ₂)
Unsuitable extinguishing Media	No applicable data available.
Specific hazards	No specific hazards associated with this product.
Special protective	Standard approved fire fighting equipment. No additional breathing apparatus or protective required.
Further information	Evacuate personnel to safe areas. Evacuate personnel and keep upwind of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before preceding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)	No applicable data available.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Spill clean-up	Contain spillage, sweep up and transfer to a container for disposal according to local/national regulations (see section 13).
Accidental release measure	No applicable data available.

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Handling (Personnel)	No special precautions are needed in handling this material
Handling (Physical Aspects)	No applicable data available.
Dust explosion class	No applicable data available.
Storage	Store in a cool, dry place. Keep container closed to prevent contamination. Protect from exposure to light.
Storage period	No applicable data available.
Storage temperature Maximum temperature	No applicable data available. 30° C (86° F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
Respiratory	A respiratory program that meets country requirements protection must be followed whenever workplace conditions warrant respirator use. Consult the OSHA respiratory protection information located at 29CFR 1910.134.
Eye protection	No safety glasses with side shields needed.
Skin and body	No skin/body protection needed.

Exposure Guidelines

This product does not contain any exposure limits that exposure limit values require disclosure according to OSHA Hazard Communication Standard 2012.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state	Liquid
Form	Liquid
Color	Colorless
Odor	Characteristic
Odor threshold	No applicable data available.
pH	No applicable data available.
Melting point/ Freezing point	-5 °C (23 °F) estimated
Boiling point	>300 °C (572 °F) estimated
Flash point	>220 °C (428 °F)
Evaporation rate	No applicable data available.
Flammability (solid/gas)	No applicable data available.
Upper explosion limit	No applicable data available.
Lower explosion limit	2.6 % volume estimate information taken from reference works and literature.
Vapor pressure	<0.00001 hPa at 20° C (68° F) estimate information taken from reference works and literature.
Vapor density	No applicable data available.
Specific gravity (relative density)	No applicable data available.

Water solubility	<0.001 g/l
Solubility(ies)	No applicable data available.
Partition coefficient: n-octanol/water	log Pow: -1.04 estimate information taken from reference works and literature.
Auto-ignition temperature	400°C estimate information taken from reference works and literature.
Decomposition temperature	>129°C
Viscosity, kinematic	No applicable data available.
Viscosity, dynamic	27-33 mPa.s at 20°C (68°F) estimated

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No applicable data available.
Chemical stability	Stable at normal temperatures and storage conditions.
Possibility of hazardous	Hazardous polymerization will not occur.
Conditions to avoid	No applicable data available.
Incompatible materials	No applicable data available.
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. TOXICOLOGICAL INFORMATION

Further information No data is available on the product itself.

Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information

No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal methods-
Product

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations

Contaminated packaging

No applicable data available.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA
Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSAC

On the inventory, or in compliance with the inventory

SARA 311/312 Hazard classification

No SARA Hazards

SARA 313 Regulated Chemical(s)

This material does not contain any chemical compounds with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

California Prop. 65

This product does not contain any substances requiring a warning under the Safe Drinking Water and Toxic Enforcement Act.

SECTION 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. This information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty of quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.