

# Full Spectrum Extract vs Isolated CBD

Products made from Full Spectrum Extract contain all the beneficial molecules produced by the hemp flower

A smaller amount of CBD in Full Spectrum Extract will give you the same effect as a much larger amount of isolated CBD

This is called the Entourage Effect

## Route of Administration

### Use on the Skin

- CBD is not water soluble and cannot penetrate the skin
- Application on the skin requires addition of an absorption enhancer like Argan Oil

### Oral Use

- When ingested, 90% of CBD is inactivated by the liver before it can produce any beneficial effect
- This can be prevented by using drops or sprays absorbed in the mouth

## Comparing Products

You can access a tool to compare products at:

[https://ravenridgefamilyfarm.com/cbd/guides/cbd\\_comparison\\_tool.pdf](https://ravenridgefamilyfarm.com/cbd/guides/cbd_comparison_tool.pdf)

### The Farm Doc CBD Guides

[www.ravenridgefamilyfarm.com](http://www.ravenridgefamilyfarm.com)

Pilot Mountain, NC  
Pamphlet last updated May 2021

# CBD: what to look for in a product





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### 2021 Full Spectrum Extract

Concentrates & Extracts, Full Extract Cannabis Oil  
Harvest Process Lot: ; Batch: ; Sample:

#### Mycotoxins

ND means None Detected

Analyte	LOQ	Limit	Units
B1	PPB	PPB	ND
B2	20.0	20.0	ND
G1	20.0	20.0	ND
G2	20.0	20.0	ND
Ochratoxin A	20.0	20.0	ND

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### 2021 Full Spectrum Extract

Concentrates & Extracts, Full Extract Cannabis Oil  
Harvest Process Lot: ; Batch: ; Sample:

#### Heavy Metals

Analyte	Mass	LOQ	Limit	Status
	PPM	PPM	PPM	
Arsenic	ND	2.5	10.0	Pass
Cadmium	ND	2.5	4.0	Pass
Lead	ND	2.5	10.0	Pass
Mercury	ND	0.5	2.0	Pass

Pass

Powered by Confident Cannabis 1 of 2


## Certificate of Analysis

Sample: 2103STL0101.0340  
Sample Received: 03/15/2021;  
Report Created: 03/15/2021;

Ridge Family Farm  
NC 27043

2021113  
Concentrates & Extracts, Full Extract Cannabis Oil  
Process Lot: ; Batch: ; Sample:

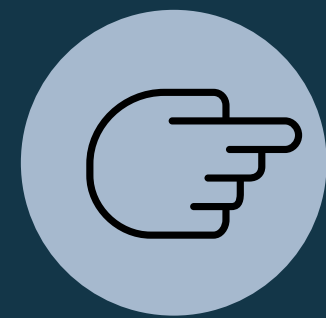
This is the amount of CBD per mL dose.

	<LOQ Total THC	20.3 mg/mL Total CBD	0.0 mg/mL Total CBG
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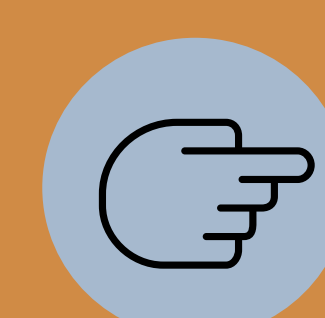
## MYCOTOXINS

- If not cured properly, hemp can be contaminated with molds
- The molds can produce dangerous mycotoxins
- All products should be tested to confirm they contain no mycotoxins



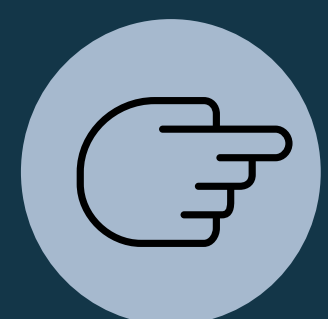
## PESTICIDES

- Use of pesticides in hemp is not currently regulated by the USDA, or by most states
- Any product not certified Organic or Regenerative needs to be tested for pesticides



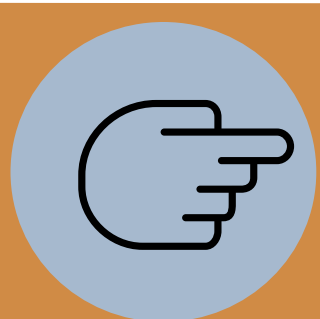
## CBD CONTENT

- Many products tested by the FDA have false labeling of CBD content
- Check test result to confirm the total CBD/dose agrees with the label



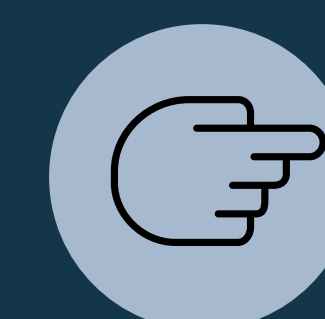
## HEAVY METALS

- Hemp concentrates heavy metals
- Even small amounts in the soil can result in higher levels in the plant
- All CBD products should be tested for heavy metals, even those using CBD from organic or regeneratively grown plants



## RESIDUAL SOLVENTS

- Some methods of extracting CBD oil from the hemp flower use harsh and potentially dangerous solvents
- CBD products should be tested to confirm there are no residual solvents



## THC CONTENT

- Many products labeled as containing no THC have been falsely labeled
- If you are subject to drug testing, look for THC test results and confirm the product contains NO THC