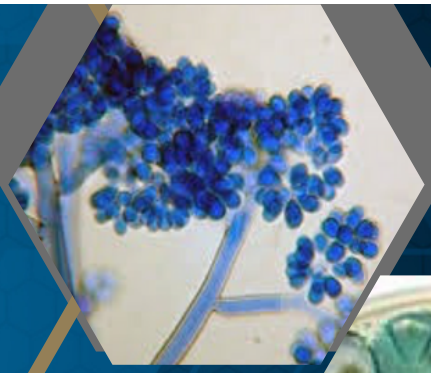
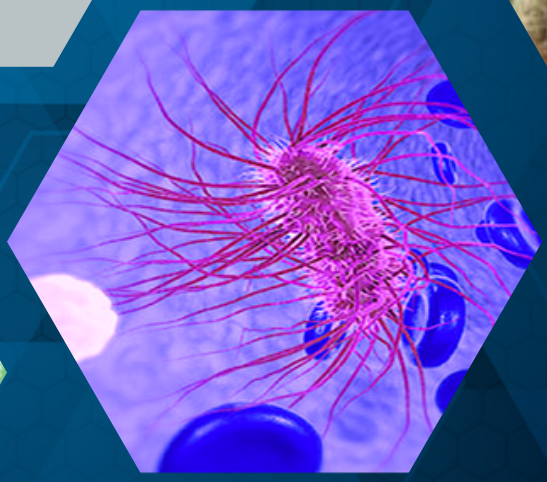
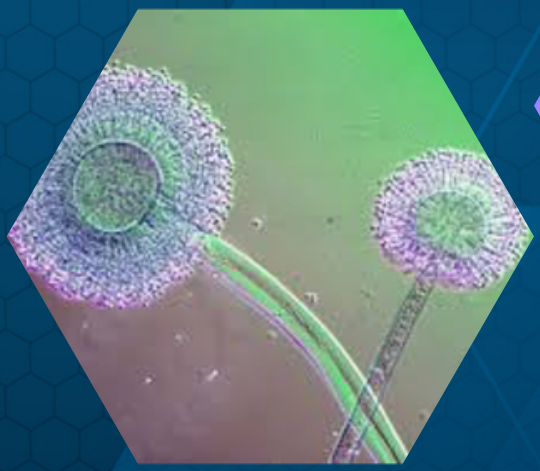
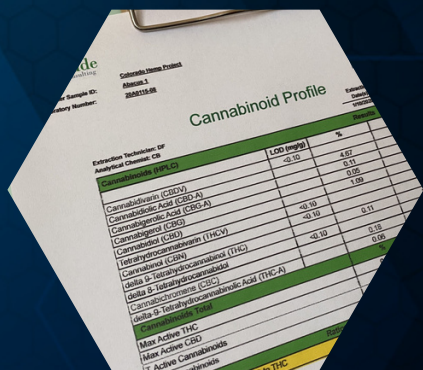
Americans For Safe Access What's in Your Cannabis Products?

A Patient's Guide to Understanding Labels and Interpreting Product Certificates of Analysis (CoA)









AmericansFor SafeAccess

Advancing Legal Medical Marijuana Therapeutics and Research

A Patient's Guide to Understanding Labels and Interpreting Product Certificates of Analysis

AMERICANS FOR SAFE ACCESS

WHAT TO KNOW ABOUT PACKAGING, LABELING, AND HANDLING

Due to a current lack of adequate governmental regulation with regard to hemp-derived CBD products, consumers purchasing CBD products from a source other than a medical cannabis dispensary must be wary of unscrupulous actors and poor production processes. It should also be noted that not all medical cannabis dispensaries are the same. Product safety testing is not required by all states, and patients should be aware of the testing that is done on the products they are consuming.

Unless the producer has appropriate certifications from an independent oversight body (e.g., ASA's Patient Focused Certification), it may be difficult for consumers to ascertain whether the products they wish to purchase are well made and accurately labeled. A 2017 analysis of 84 products from 31 companies found that 43% contained more CBD than was indicated on the label and that 26% contained less CBD than was indicated on the label; additionally, THC was found in 18 out of the 84 samples even though none of the labels indicated that the products contained THC.[55]

Consumers must pay close attention to how products are packaged, labeled, and stored to ensure product safety and efficacy. Light, heat, and oxygen affect, and can degrade, cannabinoids and terpenes. Excessive moisture in a product can promote spoilage and fungal growth. Generally, cannabis floral material and products derived therefrom should be packaged in a manner that minimizes exposure to these factors and should be stored in a climate-controlled setting to avoid elevated temperatures. To protect the contents within, containers should be rigid, airtight, and made out of a non-absorptive material (e.g., glass, stainless steel) that is appropriate for the type of product in question.

It is important that consumers closely read product labels, which should include all of the following:

- Name and place of business of the manufacturer or distributor;
- Identity of the product;
- Cannabinoid content;
- Net quantity of contents in terms of weight, numerical count, or other appropriate measure;
- A batch, lot, or control number;
- Production date or expiration date (products susceptible to spoilage must bear a "use by" date and/or a "freeze by" date);
- Instructions for use;
- Dosing guidance;
- Appropriate warnings for use, including any individuals for whom the product is contraindicated, as appropriate; and
- Instructions for appropriate storage.

Edible products should be labeled with content and nutrition information, including:

- Ingredients, including cannabis ingredients;
- Cannabinoid content;
- Total calories and fat calories (when greater than 5 calories per serving);
- Total fat, saturated fat, and trans fat (when greater than 0.5 g per serving);
- Cholesterol (when greater than 2 mg per serving);
- Sodium (when greater than 5 mg per serving);
- Total carbohydrates (when greater than 1 g per serving);
- Dietary fiber (when greater than 1 g per serving);
- Sugars (when greater than 1 g per serving);
- Protein (when greater than 1 g per serving); and
- Vitamin A, vitamin C, calcium, and iron (when present at greater than 2% of the recommended daily intake).

CONSUMERS SHOULD NOT PURCHASE CANNABIS-DERIVED PRODUCTS FROM COMPANIES THAT CANNOT OR WILL NOT PROVIDE PRODUCT- AND BATCH-SPECIFIC "CoAs".

Note that the FDA has sent warning letters to companies that overstate the health effects and benefits of CBD products. Even if there is research indicating that CBD may be efficacious for a given condition, be wary of products that contain labeling statements that over promise or make outrageous claims like "this will cure cancer."

Generally, reputable producers will provide Certificates of Analysis (CoAs) from independent and properly certified testing laboratories for all of their products. CoAs show the amount and concentration of major cannabinoids and terpenes present in the tested sample, as well testing data regarding the lack or presence of microbial and fungal contaminants, levels of heavy metals, and measures of pesticide and solvent residues (if applicable).

Some producers provide CoAs proactively (e.g., provide a link on the product's webpage); others make them available upon request. *Consumers should not purchase cannabis-derived products from companies that cannot or will not provide product- and batch-specific CoAs.*

SAMPLE CERTIFICATE OF ANALYSIS

(Descriptions found on page 28-29)

CannaSafe

CannaSafe - LA
7027 Hayvenhurst Avenue
Van Nuys, CA 91406

(818) 922-2416
http://www.csalabs.com
Lic# C8-18-0000037-TEMP

1

R&D Testing

2

KOI Healing Balm 500mg

3

Sample ID: 1902CSALA0704.2613
Strain: Koi Healing Balm 500mg
Matrix: Other
Type: Other
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 02/04/2019
Received: 02/04/2019
Completed: 02/06/2019
Batch#: 9032KHB500

4

Client
Koi CBD
Lic. #
14631 Best Ave
Norwalk, CA 90650

Summary

Pass

5

514.35 mg/unit Total Cannabinoids	**Pass** Pesticides	**Pass** Residual Solvents
Pass Microbials	**Pass** Mycotoxins	**Pass** Heavy Metals

Cannabinoids

Complete

6

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.01008	0.0450	ND	ND
Δ9-THC	0.01904	0.0450	ND	ND
Δ8-THC	0.01895	0.0450	ND	ND
THCV	0.01764	0.0450	ND	ND
CBDa	0.00914	0.0450	ND	ND
CBD	0.01679	0.0450	514.35	11.43
CBDV	0.00450	0.0450	ND	ND
CBN	0.00729	0.0450	ND	ND
CBGa	0.00882	0.0450	ND	ND
CBG	0.01679	0.0450	ND	ND
CBC	0.00644	0.0450	ND	ND
Total			**514.35**	**11.43**

ND
Total THC

514.35 mg/unit
Total CBD

Terpenes

Complete

7

Testing method: HSGCMS-SOP 201

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
Eucalyptol	0.00017	0.0013	0.61	6.13
Linalool	0.00015	0.0013	0.11	1.09
δ-Limonene	0.00016	0.0013	0.09	0.87
α-Pinene	0.00015	0.0013	0.09	0.86
β-Pinene	0.00034	0.0013	0.04	0.44
β-Myrcene	0.00012	0.0013	0.03	0.27
β-Caryophyllene	0.00017	0.0013	0.02	0.23
Camphene	0.00072	0.0013	0.02	0.20
δ-3-Carene	0.00040	0.0013	0.02	0.16
Ocimene	0.00013	0.0013	0.01	0.09
α-Terpinene	0.00012	0.0013	0.00	0.05
Terpinolene	0.00016	0.0013	0.00	0.03
Geraniol	0.00013	0.0013	0.00	0.02
α-Bisabolol	0.00015	0.0013	ND	ND
α-Humulene	0.00057	0.0013	ND	ND
Caryophyllene Oxide	0.00017	0.0013	ND	ND
cis-Nerolidol	0.00009	0.0013	ND	ND
γ-Terpinene	0.00012	0.0013	ND	ND
Guaiol	0.00018	0.0013	NR	NR
Isopulegol	0.00011	0.0013	<LOQ	<LOQ
p-Cymene	0.00010	0.0013	ND	ND
trans-Nerolidol	0.00058	0.0013	<LOQ	<LOQ
Total			**1.04**	**10.42**

8 9 10

NT Moisture SOP-103	**NT** Water Activity SOP-102	**Pass** Foreign Matter SOP-001

Date Tested: 02/06/2019
Total THC = THCa * 0.877 + d9-THC
Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation; LOD = Limit of Detection; NR = Not Reported; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;

ISO / IEC 17025:2017 ACCREDITED LABORATORY
Accreditation No. 73653

11

Mallory Speakman
Laboratory Director - LA
02/06/2019

12

Anya Engen
Quality Manager
02/06/2019

The values reported pertain only to the product tested. R&D sample only. Tested as-is/received from client. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample tested per CALIFORNIA CODE OF REGULATIONS, TITLE 16, DIVISION 42. BUREAU OF CANNABIS CONTROL.

Figure 3: Page 1/4 of a Sample Certificate of Analysis[56]

CannaSafe

CannaSafe - LA
7027 Hayvenhurst Avenue
Van Nuys, CA 91406

(818) 922-2416
http://www.csalabs.com
Lic# C8-18-0000037-TEMP

R&D Testing

KOI Healing Balm 500mg

Sample ID: 1902CSALA0704.2613
Strain: Koi Healing Balm 500mg
Matrix: Other
Type: Other
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 02/04/2019
Received: 02/04/2019
Completed: 02/06/2019
Batch#: 9032KHB500

Client
Koi CBD
Lic. #
14631 Best Ave
Norwalk, CA 90650

13

Pesticides

Pass

Test Method: LCMS & GCMS-SOP 301

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.0048	0.1	0.3000	ND	Pass	Fludioxonil	0.0005	0.1	30.0000	ND	Pass
Acephate	0.0090	0.1	5.0000	ND	Pass	Hexythiazox	0.0070	0.1	2.0000	ND	Pass
Acequinocyl	0.0050	0.1	4.0000	ND	Pass	Imazalil	0.0040	0.1	0.0040	ND	Pass
Acetamiprid	0.0040	0.1	5.0000	ND	Pass	Imidacloprid	0.0009	0.1	3.0000	ND	Pass
Aldicarb	0.0040	0.1	0.0040	ND	Pass	Kresoxim Methyl	0.0027	0.1	1.0000	ND	Pass
Azoxystrobin	0.0060	0.1	40.0000	ND	Pass	Malathion	0.0006	0.1	5.0000	ND	Pass
Bifenazate	0.0040	0.1	5.0000	ND	Pass	Metalaxyl	0.0008	0.1	15.0000	ND	Pass
Bifenthrin	0.0080	0.1	0.5000	ND	Pass	Methiocarb	0.0060	0.1	0.0060	ND	Pass
Boscalid	0.0007	0.1	10.0000	ND	Pass	Methomyl	0.0008	0.1	0.1000	ND	Pass
Captan	0.0007	0.1	5.0000	ND	Pass	Methyl Parathion	0.0070	0.1	0.0070	ND	Pass
Carbaryl	0.0006	0.1	0.5000	ND	Pass	Mevinphos	0.0030	0.1	0.0030	ND	Pass
Carbofuran	0.0050	0.1	0.0050	ND	Pass	Myclobutanil	0.0036	0.1	9.0000	ND	Pass
Chlorantraniliprole	0.0005	0.1	40.0000	ND	Pass	Naled	0.0036	0.1	0.5000	ND	Pass
Chlordane	0.0319	0.1	0.0319	ND	Pass	Oxamyl	0.0030	0.1	0.2000	ND	Pass
Chlorfenapyr	0.0100	0.1	0.0100	ND	Pass	Paclobutrazol	0.0130	0.1	0.0130	ND	Pass
Chlorpyrifos	0.0050	0.1	0.0050	ND	Pass	Pentachloronitrobenzene	0.0020	0.1	0.2000	ND	Pass
Clofentezine	0.0006	0.1	0.5000	ND	Pass	Permethrin	0.0006	0.1	20.0000	ND	Pass
Coumaphos	0.0090	0.1	0.0090	ND	Pass	Phosmet	0.0070	0.1	0.2000	ND	Pass
Cyfluthrin	0.0008	0.1	1.0000	ND	Pass	Piperonyl Butoxide	0.0013	0.1	8.0000	ND	Pass
Cypermethrin	0.0130	0.1	1.0000	ND	Pass	Prallethrin	0.0070	0.1	0.4000	ND	Pass
Daminozide	0.0210	0.1	0.0210	ND	Pass	Propiconazole	0.0080	0.1	20.0000	ND	Pass
DDVP	0.0040	0.1	0.0040	ND	Pass	Propoxur	0.0040	0.1	0.0040	ND	Pass
Diazinon	0.0006	0.1	0.2000	ND	Pass	Pyrethrins	0.0030	0.1	1.0000	ND	Pass
Dimethoate	0.0030	0.1	0.0030	ND	Pass	Pyridaben	0.0005	0.1	3.0000	ND	Pass
Dimethomorph	0.0007	0.1	20.0000	ND	Pass	Spinetoram	0.0005	0.1	3.0000	ND	Pass
Ethoprophos	0.0040	0.1	0.0040	ND	Pass	Spinosad	0.0050	0.1	3.0000	ND	Pass
Etofenprox	0.0050	0.1	0.0050	ND	Pass	Spiromesifen	0.0008	0.1	12.0000	ND	Pass
Etoxazole	0.0098	0.1	1.5000	ND	Pass	Spirotetramat	0.0090	0.1	13.0000	ND	Pass
Fenhexamid	0.0009	0.1	10.0000	ND	Pass	Spiroxamine	0.0060	0.1	0.0060	ND	Pass
Fenoxycarb	0.0070	0.1	0.0070	ND	Pass	Tebuconazole	0.0024	0.1	2.0000	ND	Pass
Fenpyroximate	0.0008	0.1	2.0000	ND	Pass	Thiacloprid	0.0070	0.1	0.0070	ND	Pass
Fipronil	0.0170	0.1	0.0170	ND	Pass	Thiamethoxam	0.0040	0.1	4.5000	ND	Pass
Flonicamid	0.0008	0.1	2.0000	ND	Pass	Trifloxystrobin	0.0007	0.1	30.0000	ND	Pass

Date Tested: 02/06/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

ISO / IEC 17025:2017 ACCREDITED LABORATORY
Accreditation No. 73653

Mallory Speakman
Laboratory Director - LA
02/06/2019

Anya Engen
Quality Manager
02/06/2019

The values reported pertain only to the product tested. R&D sample only. Tested as-is/received from client. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample tested per CALIFORNIA CODE OF REGULATIONS, TITLE 16, DIVISION 42. BUREAU OF CANNABIS CONTROL.

Figure 4: Page 2/4 of a Sample Certificate of Analysis

CannaSafe

CannaSafe - LA
7027 Hayvenhurst Avenue
Van Nuys, CA 91406

(818) 922-2416
http://www.csalabs.com
Lic# C8-18-0000037-TEMP

R&D Testing

KOI Healing Balm 500mg

Sample ID: 1902CSALA0704.2613
Strain: Koi Healing Balm 500mg
Matrix: Other
Type: Other
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 02/04/2019
Received: 02/04/2019
Completed: 02/06/2019
Batch#: 9032KHB500

Client
Koi CBD
Lic. #
14631 Best Ave
Norwalk, CA 90650

14 Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.3	3	1	ND	Pass
Acetone	1.4	14	5000	ND	Pass
Acetonitrile	0.3	2	410	ND	Pass
Benzene	0.1	1	1	ND	Pass
Butane	2.5	25	5000	ND	Pass
Chloroform	0.4	4	1	ND	Pass
Ethanol	1.4	14	5000	ND	Pass
Ethyl-Acetate	1.4	14	5000	ND	Pass
Ethyl-Ether	1.4	14	5000	ND	Pass
Ethylene Oxide	0.3	3	1	ND	Pass
Heptane	1.4	14	5000	ND	Pass
Isopropanol	1.4	14	5000	ND	Pass
Methanol	1.8	18	3000	ND	Pass
Methylene-Chloride	0.4	4	1	ND	Pass
n-Hexane	1.7	17	290	ND	Pass
Pentane	1.4	14	5000	ND	Pass
Propane	1.0	10	5000	ND	Pass
Toluene	5.3	53	890	ND	Pass
Trichloroethene	0.5	5	1	ND	Pass
Xylenes	13.0	130	2170	ND	Pass

Date Tested: 02/06/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

ISO / IEC 17025:2017 ACCREDITED LABORATORY
Accreditation No. 73653

Mallory Speakman
Laboratory Director - LA
02/06/2019

Anya Engen
Quality Manager
02/06/2019

The values reported pertain only to the product tested. R&D sample only. Tested as-is/received from client. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample tested per CALIFORNIA CODE OF REGULATIONS, TITLE 16, DIVISION 42. BUREAU OF CANNABIS CONTROL.

Figure 5: Page 3/4 of a Sample Certificate of Analysis

CannaSafe

CannaSafe - LA
7027 Hayvenhurst Avenue
Van Nuys, CA 91406

(818) 922-2416
http://www.csalabs.com
Lic# C8-18-0000037-TEMP

R&D Testing

KOI Healing Balm 500mg

Sample ID: 1902CSALA0704.2613
Strain: Koi Healing Balm 500mg
Matrix: Other
Type: Other
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 02/04/2019
Received: 02/04/2019
Completed: 02/06/2019
Batch#: 9032KHB500

Client
Koi CBD
Lic. #
14631 Best Ave
Norwalk, CA 90650

15 Microbials

Pass

Test method: PCR-SOP 401

Analyte	Result	Status
Aspergillus flavus	Not Detected	Pass
Aspergillus fumigatus	Not Detected	Pass
Aspergillus niger	Not Detected	Pass
Aspergillus terreus	Not Detected	Pass
Shiga toxin-producing E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

Date Tested: 02/06/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

16 Mycotoxins

Pass

Test method: LCMS-SOP 301

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	0.001	0.005		ND	Tested
B2	0.007	0.022		ND	Tested
G1	0.007	0.022		ND	Tested
G2	0.006	0.021		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.013	0.045	20	ND	Pass

Date Tested: 02/06/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.;

17 Heavy Metals

Pass

Testing method: ICPMS-SOP 501

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.001	0.01	1.5	0.018	Pass
Cadmium	0.001	0.01	0.5	ND	Pass
Lead	0.001	0.01	0.5	0.084	Pass
Mercury	0.001	0.01	3.0	ND	Pass

Date Tested: 02/06/2019
LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

ISO / IEC 17025:2017 ACCREDITED LABORATORY
Accreditation No. 73653

Mallory Speakman
Laboratory Director - LA
02/06/2019

Anya Engen
Quality Manager
02/06/2019

The values reported pertain only to the product tested. R&D sample only. Tested as-is/received from client. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample tested per CALIFORNIA CODE OF REGULATIONS, TITLE 16, DIVISION 42. BUREAU OF CANNABIS CONTROL.

Figure 6: Page 4/4 of a Sample Certificate of Analysis

The Sample Certificates of Analysis (pages 24-27) were provided by CannaSafe, a Patient Focused Certification (PFC) and ISO/IEC 17025 accredited laboratory located in Van Nuys, CA, and is reprinted here with permission from their client KOI. Below are some things to take note of that are present:

1. The name, address, contact information, and the license # (where applicable) of the testing facility.
    a. Cannabis testing laboratories are required to be licensed by most states, and in some states, hemp cultivators may send their products for testing to licensed cannabis testing facilities.
2. The name of the product and any other identifiers printed on the label (e.g., the amount of CBD in the bottle, in this case 500mg).
    a. What is printed on the report should match the label with regard to product name, dosage, lot number, batch number, and any other identifiers listed.
3. Sample identification number
    a. This number is used by the laboratory to track the sample. This may include any state-required tracking information, a unique identifier developed by the laboratory, or both.
4. The date the product was submitted for testing and the date testing was completed.
    a. This is important to know to ensure that newly cultivated and manufactured products are being tested and that testing is done in a timely manner upon receipt of the sample.
5. Testing Summary
    a. This summary table shows all the tests that the sample was subjected to and what the outcomes of those tests were. This section is not required on a CoA but is nice to have so that consumers know immediately what standards the product has been tested to and what their outcome was without reading the entire report.
6. Cannabinoid Content
    a. This is also known as the potency of the product. This is where to find information on what cannabinoids have been detected and in what quantity. This is especially important for people to know so that they can determine the exact dose that they are taking in the event it needs to be adjusted. It is also important to know if the consumer does not want a specific cannabinoid, such as THC, in their product.
    b. For flower products, dosage is typically presented in a percent by weight, e.g., 15% CBD.
    c. For non-flower products, such as edibles or topicals, dosage information is typically presented in mg/g or mg/mL. Patients may then use this information to determine how much is in a dose that they are taking.
    d. This CoA also lists the LOD and LOQ. LOD is the Limit of Detection, which is the smallest amount that the instrument can accurately identify. LOQ is the Limit of Quantification, which is the smallest amount that the instrument can accurately quantify.
7. Terpene Content
    a. Terpenes impart flavors and scents to cannabis and contribute to the entourage effect.

8. Moisture Content
    a. This is a measurement of the amount of water in a product and is determined by drying the sample. This is typically only done on flower samples.
    b. In the case of this product, NT stands for Not Tested. This product is a lip balm and not subject to moisture content analysis.
9. Water Activity
    a. This is a measurement of the amount of free water in a product. This is traditionally a test performed on food products to determine its potential for microbial growth, but can be performed on other product types as well such as flowers and concentrates.
10. Foreign Matter
    a. This is a test that looks at the amount and type of extraneous material found in cannabis flower and products.
11. Accreditations
    a. This laboratory has chosen to place any accreditations and certifications it has received here.
    b. Accreditations and certifications show that the laboratory has undergone review of its quality and operating systems by third-party reviewers to ensure compliance with their respective standards.
12. Signature Marks
    a. All tests should be reviewed by the laboratory prior to release. This test report has been reviewed and approved by the Laboratory Director and the Quality Manager.
13. Pesticides
    a. This is a test to determine the presence, and quantity, of pesticides. Pesticides are regulated by the Environmental Protection Agency (EPA), and none have been approved for use specifically on cannabis and hemp. Some states have approved certain products or classes or products for use in the cultivation of cannabis and hemp, and some require testing for a range of allowed and prohibited pesticides.
14. Residual Solvents
    a. Cannabinoids and terpenes are extracted using a number of different methods, some of which may include potentially harmful or toxic solvents such as butane or isopropyl alcohol. This test determines and quantifies the presence of any of those solvents.
15. Microbials
    a. Microbiological contamination is a test for microbial species such as *E. Coli* and *Salmonella*. These contaminants can be quite harmful to people and pets who are exposed to them, particularly those with compromised immune systems.
16. Mycotoxins
    a. Mycotoxins consist of four aflatoxins (O_1, O_2, G_1, G_2) and Ochratoxin A. Ochratoxin A is a known carcinogen and can be dangerous. Aflatoxins are toxic and may cause immunotoxicity, teratogenicity, and hepatotoxicity.[57]
17. Heavy Metals
    a. The four heavy metals typically tested for are lead (Pb), cadmium (Cd), mercury (Hg), and arsenic (As). Acute heavy metals poisoning can lead to feeling confused or numb, feeling sick and throwing up, or passing out. Chronic heavy metals poisoning can cause headaches, achy joints and muscles, and constipation.[58]

Americans for Safe Access
1629 K Street, NW, Suite 200 Washington, DC 20006
Tel: 202.857.4272
AmericansForSafeAccess.org