MJ-15 and its attachments

Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
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Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

What is this form?

This operating plan change form is required for all marijuana establishment licensees seeking to change a licensed marijuana establishment's existing operating plan, as required by 3 AAC 306.100. With this form, a licensee may request changes to as much or as little as desired of Form MJ-01 and/or the corresponding operating plan supplemental for the establishment's license type. **The required $250 change fee may be made by check, cashier's check, or money order.**

Please complete and submit with this form the pages of Form MJ-01 and/or the corresponding operating plan supplemental that contain sections that you are requesting to change. **All fields must be completed of any page for which you are requesting changes** – upon board approval, the submitted pages will replace those currently on file. If your current, approved operating plan is on the original version of the forms, you may be required to complete and submit the new operating plan forms in their entirety.

The form(s) that I am requesting board approval to change is:

- ☐ **Form MJ-01:** Marijuana Establishment Operating Plan
- ☐ **Form MJ-03:** Retail Marijuana Store Operating Plan Supplemental
- ☐ **Form MJ-04:** Marijuana Cultivation Facility Operating Plan Supplemental
- ☑ **Form MJ-05:** Marijuana Product Manufacturing Facility Operating Plan Supplemental
- ☐ **Form MJ-06:** Marijuana Testing Facility Operating Plan Supplemental

This form must be completed and submitted to AMCO's main office prior to changing existing operations. The licensed establishment's operations may not be altered unless and until the director has given temporary approval or the Marijuana Control Board (MCB) has given final approval of the changes. Please note that licensees seeking to change operating plans for multiple licenses must submit a separate completed copy of this form for each license.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Herban Extracts, llc	**MJ License #:**			14432
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	HERBAN EXTRACTS, LLC				
Premises Address:	14927 Kenai Spur Highway				
City:	Kenai	**State:**	Alaska	**ZIP:**	99611

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STATE OF ALASKA

Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

Section 2 – Summary of Changes

Provide a summary of the changes for which you are requesting approval.

1. Changes to our product packaging colors- On the original MJ-05, we show using different colored boxes based on the strain type. We would like to make the packaging be all the same colors for every box and use a sticker to differentiate the strain. We would also like the option to use hang-tags on our boxes if the retailer would like to hang our product on the wall.

2. Changes to the vape cartridge look and e-pen look- The logo had to be removed and replaced with our company name. They are manufactured in China and the cannabis "flake" logo could possibly be an is with US Customs when shipping into the US. We don't want to risk our products being confiscated so we eliminated the logo from them.

3. We have upgraded the quality of syringe that was on the original MJ-05. The syringe we would like to use has the ability to micro-dose and can be better controlled by the user. One full turn of the syringe will deliver a set amount of oil every time. It's newer tech.

Section 3 – Declarations

Read each statement below, and then sign your initials in the corresponding box to the right: Initials

The proposed changes conform to all applicable public health, fire, and safety laws. BC

I understand that any temporary approval granted by the director is pending a final decision by the MCB; therefore, any investment I make, based upon temporary approval, is at my own risk. BC

As a marijuana establishment licensee, I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Buddy Crowder
Signature of licensee

Buddy Crowder
Printed name of licensee

Lisa A. Coates
Notary Public in and for the State of Alaska.

My commission expires: March 26, 2021

Subscribed and sworn to before me this 14th day of September, 2018

NOTARY PUBLIC
LISA A. COATES
STATE OF ALASKA
Commission Expires March 26, 2021

AMCO Director Review for Temporary Approval Pending Final MCB Decision: Approved ☐ Disapproved ☐

Printed name of Director

Date

Signature of Director

Director Comments:

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SEP 17 2018
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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana product manufacturing facility license and must accompany **Form MJ-01: Marijuana Establishment Operating Plan**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 5** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of the statutes and regulations.

If your business has a formal operating plan, you may include a copy of that operating plan with your application, but all fields of this form must still be completed per 3 AAC 306.020 and 3 AAC 306.520(3).

What additional information is required for cultivation facilities?

Applicants must identify how the proposed establishment will comply with applicable regulations regarding the following:

- Equipment, compounds, and processes to be used
- Waste disposal
- Testing procedure and protocols
- Proposed marijuana concentrates and marijuana products
- Proposed product packaging and sample labels
- Prohibitions

This form must be completed and submitted to AMCO's main office before any new or transfer application for a marijuana product manufacturing facility or marijuana concentrate manufacturing facility license will be considered complete.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Herban Extracts, llc	**MJ License #:**	14432		
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	HERBAN EXTRACTS, LLC				
Premises Address:	14927 Kenai Spur Highway				
City:	Kenai	**State:**	Alaska	**ZIP:**	99611

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Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the intake, flow, and transfer of marijuana, marijuana concentrate, and marijuana product at and from your premises:

Marijuana flower and/or trim that is tracked in metrc will be brought into the facility from state licensed cultivators only and will be inspected for quality, proper labeling, and manifest will be reviewed and verified that it is correct, thereafter, prior to product being accepted into the facility's metrc it will be weighed on certified scales to ensure correct amount of flower and trim was delivered. Upon arrival it will be weighed and entered into metrc. The marijuana will be stored in the facility until ready for CO2 or ethanol extraction. It will be weighed prior to extraction and some batches combined prior to extraction. The production batch produced will be weighed after extracting and refining. All will be tracked in metrc. After the oil is refined a random sample will be taken, logged into metrc, and properly transported to a licensed testing facility for certification. Once oil has been certified as saleable, the oil will be packaged as vape cartridges, vape cartridge kits, syringes, pull and snap, or wholesale oil. All marijuana product leaving the licensed facility will have a trip manifest, be accompanied by an agent of the facility who holds a valid and current marijuana handler card, and will be tracked in metrc. All products will only be delivered to other state licensed retailers or marijuana product manufacturers.

We will not sell, deliver, distribute or transfer any marijuana, marijuana concentrate, or a marijuana product directly to a consumer (as we do not hold a marijuana retail establishment license), with or without compensation, we are strictly a whole sale operation. We also will not allow any person, including the licensee, employee, or agent, to consume marijuana, marijuana concentrate, or a marijuana product on the licensed premises.

Section 3 – Equipment and Compounds to be Used

Review the requirements under 3 AAC 306.555.

3.1. Describe the equipment and solvents, gases, chemicals, and other compounds the marijuana product manufacturing facility will use to create marijuana concentrates:

Equipment: Closed loop rotary evaporator, closed loop extractor instrument, vacuums, freezer, refrigerator, vacuum oven, lab oven, Büchner funnel, grinder, chillers, short-path distillation equipment, water bath, ultrasonic cleaner, scale certified by the Alaska Weights and Measurement Division, packaging material for packaging products, manual cartridge filling machine, label printer.

Solvents: CO2, food grade ethanol

Compounds: food-grade hemp oil, food-grade propylene glycol, activated charcoal

Gases: CO2

Section 4 – Waste Disposal

Review the requirements under 3 AAC 306.740.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

4.1. The marijuana product manufacturing facility shall give the board at least three days written notice required under 3 AAC 306.740(c) before making marijuana waste unusable and disposing of it. BC

4.2. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including expired or outdated marijuana or marijuana product, in compliance with any applicable laws. Include details about the material(s) you will mix with ground marijuana waste and the processes that you will use to make the marijuana waste unusable for any purpose for which it was grown or produced:

Herban Extracts expects the following waste at their facility: (1) contaminated or infected marijuana or marijuana products (2) marijuana products deemed by the licensee or a manager as unfit for sale or consumption for any reason (3) marijuana product that fails testing (4) marijuana wasted created during the extraction process (5) other marijuana or marijuana product waste as determined by the board or director. Once marijuana or marijuana product is deemed as waste, it will be separated from all other marijuana and marijuana products and securely stored in bins within our licensed facility in a restricted access area and an email notification will be sent to AMCO Enforcement at least 3 days prior to rendering the waste unusable as well as recording the waste in metrc. All solid marijuana plant waste (plant matter waste from the extraction process such as plant matter that is pressed/squeezed to extract oil) and marijuana product waste will be ground in a grinder and then mixed with other solid compostable or non compostable wastes until the mixture is no more than 50% marijuana waste. Liquid marijuana waste such as concentrates or plants waxes and lipids, will be mixed with at least equal parts of compostable or non compostable waste and then stored away from all other marijuana and marijuana products in locked containers on the premises. The waste will be picked up by the city waste facility truck and delivered to the waste station. A log will be maintained recording the final destination of all marijuana and marijuana product waste and stored in the office as an official business record available to AMCO upon request.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.520 and 3 AAC 306.550.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

5.1. I will ensure that any individual responsible for collecting random samples for required laboratory testing under 3 AAC 306.455 will prepare the necessary accompanying signed statement, provide the signed statement to the marijuana testing facility, and maintain a copy as a business record under 3 AAC 306.755. BC

Answer "Yes" or "No" to the following question: Yes No

5.2. Will the marijuana product manufacturing facility be performing in-house testing (as defined under 3 AAC 306.990(b)(20)? ☑ ☐

If "Yes" to 6.2, you must be able to certify the statement below. Read the following and then sign your initials in the box: Initials

5.3. The area where in-house testing will occur is clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application. BC

5.4. Describe the testing procedures and protocols the marijuana product manufacturing facility will follow:

The refined, extracted oil will be randomly sampled from each production batch in an amount required by the testing facility. We will designate an employee to do the sampling and they will sign a statement to give to the testing facility stating that the sample was randomly taken. We will also keep a record on file of this statement. Transportation to the testing facility will be in compliance with 3 AAC 306.750. The remaining oil/ concentrated product that had a sample removed for testing will be quarantined and segregated from all other product in a secure, cool, and dry location until the test report has been obtained from the testing facility. A copy of the test results will also be kept as part of our business records. For in-house testing, the marijuana will be tested in-house prior to extraction, after extraction, before refining, and after refining. In addition to the state required testing, we will also be periodically testing the marijuana waste that is produced. Herban Extracts will be testing for potency, cannabinoids, and terpenes using an instrument that utilizes mid-infrared technology. The instrument will not replace the state certified testing of products to deem the products sale-able. The in-house testing instrument will be strictly used as a production tool to make our extractions and refinements as cost efficient as possible. The in-house testing will occur in the production/ extraction room and is designated on the premise diagram. No sample prep is needed for the instrument as it will analyze flower or trim raw, as well as the extracted oil.

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Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	CO2 Concentrate Oil (for inhalation via vaporization)		
Product Type:	Concentrate for Refillable Vapor Cartridges		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	CO2 Concentrate Oil will vary in color from a very light amber to dark amber and will come in different strains, including different cannabinoids, terpene profiles, flavonoids, and distillates. The oil is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	C O2 concentrate oil is produced using CO2 as a solvent in a closed loop system. The CO2 is compressed into a liquid form which saturates the cannabis material and extracts the desired cannabinoids, terpenes, or flavonoids using different temperatures and pressures. As the CO2 s warmed back up after extraction, it turns back into a gas(which is recovered), which causes the cannabis oil to separate into a collection container. The oil may undergo further refining to remove the plant waxes thru a process called winterization, which involves combining the oil with plant waxes to be mixed with food grade ethanol and placed in a freezer for several days. The ethanol/oil mixture then gets filtered to help separate the waxes from the oil. The winterization step may get repeated. The ethanol/oil mixture gets mixed with activated charcoal and filtered so that what remains is an oil/ethanol mixture free of waxes and lipids. This mixture will then have the ethanol evaporated off using a closed loop rotary evaporator. Some of the oil from the extractor will also undergo further refinement to isolate specific cannabinoids, terpenes, or flavonoids. This process is known as fractional or short-path distillation. Short path distillation uses vacuum pressure, and heat to manipulate boiling points so that compounds are subjected to much cooler temperatures when they pass thru. Depending on the distillation process, these volatile compounds can either be fractioned individually or simultaneously for collection. These isolated molecules may be reintroduced to the oil after being isolated, or sold as a distillate. If the CO2 oil is going to be sold to another marijuana product manufacturer for edible manufacturing, it may be decarboxylated first by heating the CO2 oil in a vacuum oven for a specific amount of time.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

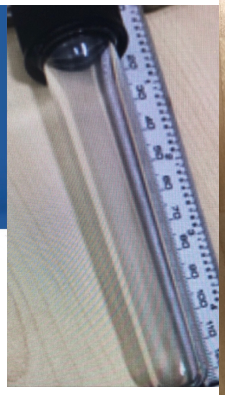
Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	CO2 Concentrate Oil (for inhalation via vaporization)
Product Type:	Concentrate for Refillable Vapor Cartridges

Packaging Description:
Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.

1-1.5 grams of CO2 concentrate oil will be packaged in a plastic syringe(98mm long x 13mm wide) with the total THC ranging from 50-99% (the actual THC content will be listed on the label per testing results). The syringe will be placed into a clear, child-resistant plastic tube and then into a paperboard box, approximately 5"H x 2"W x 1.2"D, with a tamper seal. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before customers leave the store.



All packaging will be white with blue volered logos.

Sample Labels:
Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridges		
Product Type:	CO2 Concentrate Oil (for inhalation via vaporization)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	The concentrate within the vape cartridges varies in color from a bright yellow to an amber color and is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	CO2 concentrate oil is produced using CO2 as a solvent in a closed loop system. The CO2 is compressed into a liquid form which saturates the cannabis material and extracts the desired cannabinoids, terpenes, or flavonoids using different temperatures and pressures. As the CO2 s warmed back up after extraction, it turns back into a gas(which is recovered), which causes the cannabis oil to separate into a collection container. The oil may undergo further refining to remove the plant waxes thru a process called winterization, which involves combining the oil with plant waxes to be mixed with food grade ethanol and placed in a freezer for several days. The ethanol/oil mixture then gets filtered to help separate the waxes from the oil. The winterization step may get repeated. The ethanol/oil mixture gets mixed with activated charcoal and filtered so that what remains is an oil/ethanol mixture free of waxes and lipids. This mixture will then have the ethanol evaporated off using a closed loop rotary evaporator. Some of the oil from the extractor will also undergo further refinement to isolate specific cannabinoids, terpenes, or flavonoids. This process is known as fractional or short-path distillation. Short path distillation uses vacuum pressure, and heat to manipulate boiling points so that compounds are subjected to much cooler temperatures when they pass thru. Depending on the distillation process, these volatile compounds can either be fractioned individually or simultaneously for collection. These isolated molecules may be reintroduced to the oil after being isolated, or sold as a distillate. The oil will then be loaded into the vape cartridges.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

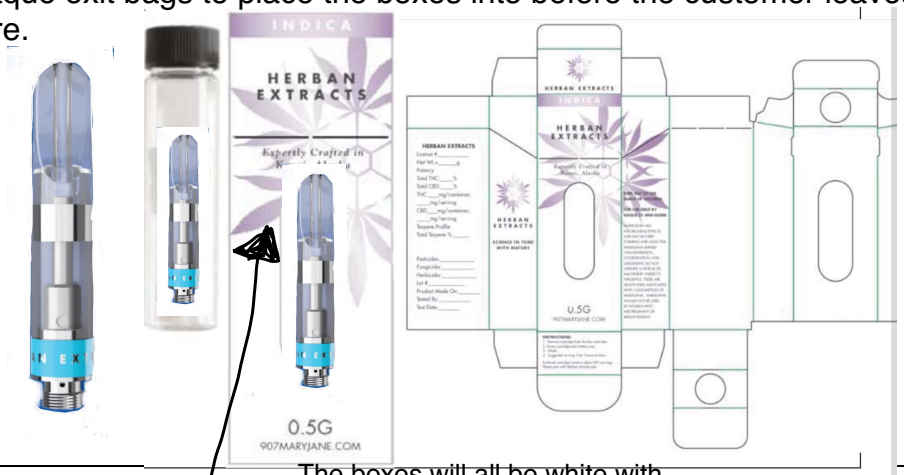
Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridges
Product Type:	CO2 Concentrate Oil (for inhalation via vaporization)

Packaging Description:
Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.

0.5 to 1 gram of CO2 concentrate oil will be packaged in plastic or glass 59mm cartridges. The total THC will range from 50-99% with the actual THC content listed on the label per the testing results. The filled cartridge will be placed into a child-resistant, clear, plastic tube and then inserted into a paperboard box. The box is approximately 4"H x 2"W x 1" D and will have a tamper seal. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before the customer leaves the store.



The boxes will all be white with the logo coloring in blue, not purple as shown.

Sample Labels:
Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

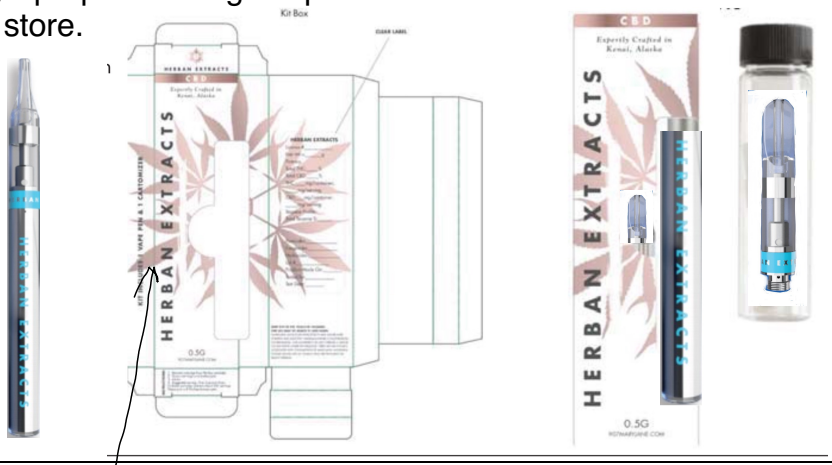
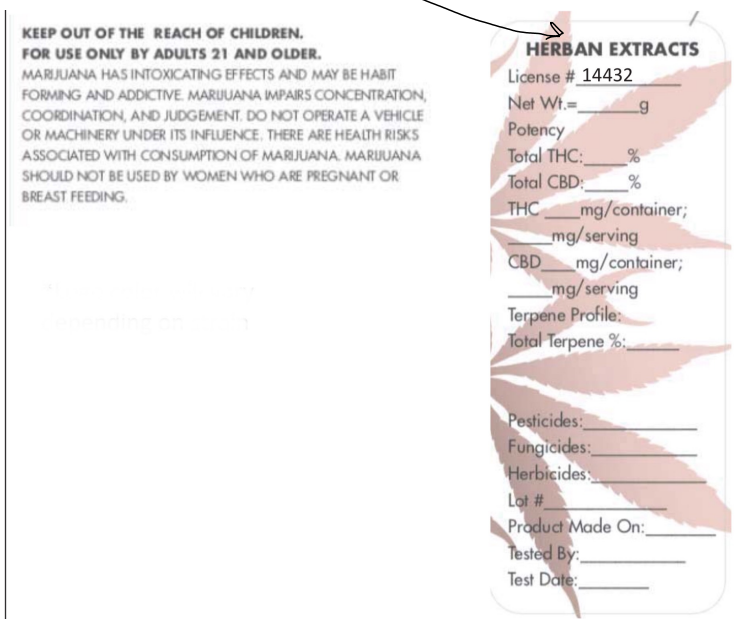
Product Name:	Vape Cartridge with E-Pen Kit		
Product Type:	CO2 Concentrate Oil (for inhalation via vaporization)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	CO2 concentrate oil vape cartridges with e-pen and battery charge kit. The concentrate color within the vape cartridge varies in color from a bright yellow to an amber color and is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	CO2 concentrate oil is produced using CO2 as a solvent in a closed loop system. The CO2 is compressed into a liquid form which saturates the cannabis material and extracts the desired cannabinoids, terpenes, or flavonoids using different temperatures and pressures. As the CO2 s warmed back up after extraction, it turns back into a gas(which is recovered), which causes the cannabis oil to separate into a collection container. The oil may undergo further refining to remove the plant waxes thru a process called winterization, which involves combining the oil with plant waxes to be mixed with food grade ethanol and placed in a freezer for several days. The ethanol/oil mixture then gets filtered to help separate the waxes from the oil. The winterization step may get repeated. The ethanol/oil mixture gets mixed with activated charcoal and filtered so that what remains is an oil/ethanol mixture free of waxes and lipids. This mixture will then have the ethanol evaporated off using a closed loop rotary evaporator. Some of the oil from the extractor will also undergo further refinement to isolate specific cannabinoids, terpenes, or flavonoids. This process is known as fractional or short-path distillation. Short path distillation uses vacuum pressure, and heat to manipulate boiling points so that compounds are subjected to much cooler temperatures when they pass thru. Depending on the distillation process, these volatile compounds can either be fractioned individually or simultaneously for collection. These isolated molecules may be reintroduced to the oil after being isolated, or sold as a distillate. The oil will then be loaded into the vape cartridges.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridge with E-Pen Kit
Product Type:	CO2 Concentrate Oil (for inhalation via vaporization)

Packaging Description: Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.	0.5 to 1 gram of CO2 concentrate oil will be packaged in plastic or glass 59mm cartridges. The total THC will range from 50-99% with the actual THC content listed on the label per the testing results. The filled cartridge will be placed into a child-resistant, clear, plastic tube and then inserted into a paperboard box. The box is approximately 4"H x 2"W x 1" D and will have a tamper seal sticker. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before the customer leaves the store. 
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	All paperboard boxes will be white with blue logo color. 

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Wholesale CO2 Concentrate Oil - decarboxylated or not decarboxylated		
Product Type:	Bulk CO2 Concentrate for Wholesale to other manufacturers (for use in manufacturing edibles)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	Wholesale CO2 concentrate oil to be sold in bulk to other product manufacturers for use in manufacturing edible products. Ethanol extracted oil will vary in color from a very light amber to dark amber and will come in different strains, including cannabinoids, terpene profiles, flavonoids, and distillates. The oil is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	CO2 concentrate oil is produced using CO2 as a solvent in a closed loop system. The CO2 is compressed into a liquid form which saturates the cannabis material and extracts the desired cannabinoids, terpenes, or flavonoids using different temperatures and pressures. As the CO2 s warmed back up after extraction, it turns back into a gas(which is recovered), which causes the cannabis oil to separate into a collection container. The oil may undergo further refining to remove the plant waxes thru a process called winterization, which involves combining the oil with plant waxes to be mixed with food grade ethanol and placed in a freezer for several days. The ethanol/oil mixture then gets filtered to help separate the waxes from the oil. The winterization step may get repeated. The ethanol/oil mixture gets mixed with activated charcoal and filtered so that what remains is an oil/ethanol mixture free of waxes and lipids. This mixture will then have the ethanol evaporated off using a closed loop rotary evaporator. Some of the oil from the extractor will also undergo further refinement to isolate specific cannabinoids, terpenes, or flavonoids. This process is known as fractional or short-path distillation. Short path distillation uses vacuum pressure, and heat to manipulate boiling points so that compounds are subjected to much cooler temperatures when they pass thru. Depending on the distillation process, these volatile compounds can either be fractioned individually or simultaneously for collection. These isolated molecules may be reintroduced to the oil after being isolated, or sold as a distillate. The oil will then be loaded into a jar for sales to other licensed manufacturers.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Wholesale CO2 Concentrate Oil - decarboxylated or not decarboxylated
Product Type:	Bulk CO2 Concentrate for Wholesale to other manufacturers (for use in manufacturing edibles)

Packaging Description: Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.	Wholesale CO2 Concentrate oil sold in bulk to other manufacturing facilities will be packaged in glass jars up to 1 pound for use in manufacturing marijuana edible products. THC content will range from 50-99%.

Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	Produced By: Herban Extracts License Number: 14432 Product Name: Wholesale CO2 Oil Batch/Lot Number: Gross Weight: Net MJ Weight: Packaging Date: Best By Date: Strain: Tested By: License Number: Total THC: THCA: CBD: CBDA: CBN: Microbial Test: Pesticides: Herbicides: Fungicides: Residual Solvent Test: Contaminants Test Result: Retailer: License Number: **Alaska Safety Warning**: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding. Keep Refrigerated HERBAN EXTRACTS Expertly Crafted in Kenai, Alaska

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Ethanol Concentrate Oil (for inhalation via vaporization)		
Product Type:	Concentrate for Refillable Vapor Cartridges		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	Ethanol Concentrate Oil will vary in color from a very light amber to dark amber and will come in different strains, including different cannabinoids, terpene profiles, flavonoids, and distillates. The oil is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	This concentrate is produced using food grade ethanol as a solvent to extract the oil. The cannabis material is soaked and washed in ethanol which dissolves all extractable matter and contains oil along with unwanted plant material. The ethanol solution is filtered to remove the unwanted material and what remains is the cannabis oil in ethanol. We will use a rotary evaporator to remove the ethanol. The ethanol is recaptured to be used again. If the oil is too viscous for the vape cartridge, plant derived terpenes, food grade hemp oil, or food grade ethanol will be introduced to the oil to make it the proper viscosity for vaping.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

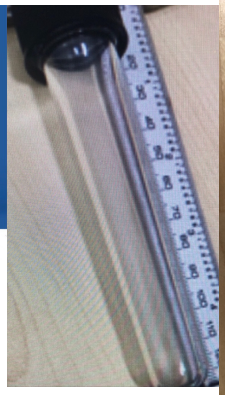
Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Ethanol Concentrate Oil (for inhalation via vaporization)
Product Type:	Concentrate for Refillable Vapor Cartridges

Packaging Description:
Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.

1-1.5 grams of Ethanol concentrate oil will be packaged in a plastic syringe(98mm long x 13mm wide) with the total THC ranging from 50-99% (the actual THC content will be listed on the label per testing results). The syringe will be placed into a clear, child-resistant plastic tube and then into a paperboard box, approximately 5"H x 2"W x 1.2"D, with a tamper seal. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before customers leave the store.



Package color will be white with blue colored logo.

Sample Labels:
Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridges		
Product Type:	Ethanol Concentrate Oil (for inhalation via vaporization)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	The concentrate within the vape cartridges varies in color from a bright yellow to an amber color and is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	This concentrate is produced using food grade ethanol as a solvent to extract the oil. The cannabis material is soaked and washed in ethanol which dissolves all extractable matter and contains oil along with unwanted plant material. The ethanol solution is filtered to remove the unwanted material and what remains is the cannabis oil in ethanol. We will use a rotary evaporator to remove the ethanol. The ethanol is recaptured to be used again. If the oil is too viscous for the vape cartridge, plant derived terpenes, food grade hemp oil, or food grade ethanol will be introduced to the oil to make it the proper viscosity for vaping.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

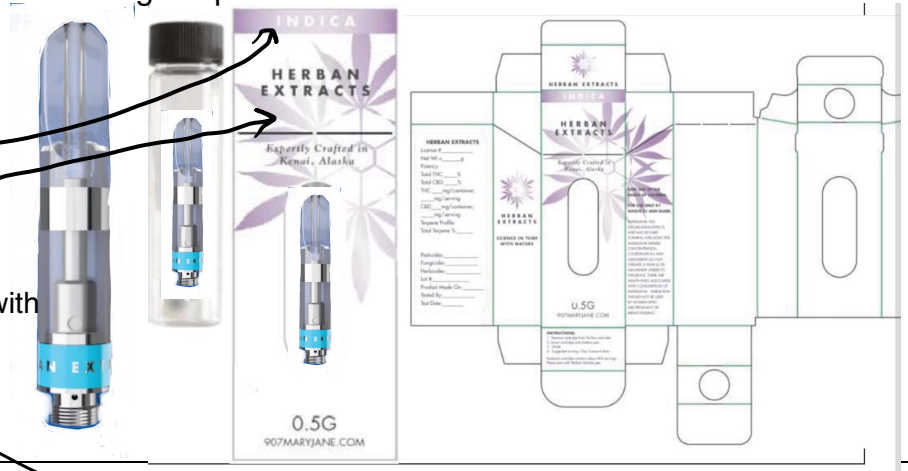
Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridges
Product Type:	Ethanol Concentrate Oil (for inhalation via vaporization)

Packaging Description:
Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.

0.5 to 1 gram of ethanol concentrate oil will be packaged in plastic or glass 59mm cartridges. The total THC will range from 50-99% with the actual THC content listed on the label per the testing results. The filled cartridge will be placed into a child-resistant, clear, plastic tube and then inserted into a paperboard box. The box is approximately 4"H x 2"W x 1" D and will have a tamper seal sticker. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before the customer leaves the store.



Boxes will be white with blue logo Coloring

Sample Labels:
Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridge with E-Pen Kit		
Product Type:	Ethanol Concentrate Oil (for inhalation via vaporization)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

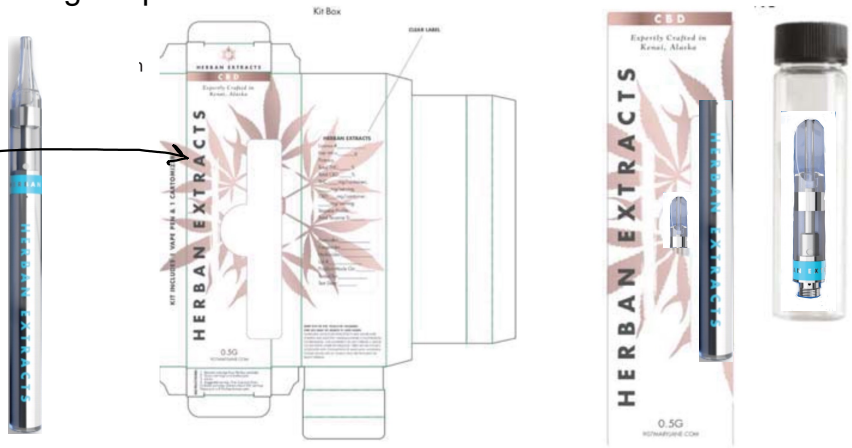
Product Description: Details must include the color, shape, and texture.	Ethanol Concentrate oil vape cartridges with e-pen and battery charge kit. The ethanol extracted concentrate within the vape cartridge varies in color from a bright yellow to an amber color and is a thick sticky liquid.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	This concentrate is produced using food grade ethanol as a solvent to extract the oil. The cannabis material is soaked and washed in ethanol which dissolves all extractable matter and contains oil along with unwanted plant material. The ethanol solution is filtered to remove the unwanted material and what remains is the cannabis oil in ethanol. We will use a rotary evaporator to remove the ethanol. The ethanol is recaptured to be used again. If the oil is too viscous for the vape cartridge, plant derived terpenes, food grade hemp oil, or food grade ethanol will be introduced to the oil to make it the proper viscosity for vaping.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Vape Cartridge with E-Pen Kit
Product Type:	Ethanol Concentrate Oil (for inhalation via vaporization)

Packaging Description: Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.	0.5 to 1 gram of ethanol concentrate oil will be packaged in plastic or glass 59mm cartridges. The total THC will range from 50-99% with the actual THC content listed on the label per the testing results. The filled cartridge will be placed into a child-resistant, clear, plastic tube and then inserted into a paperboard box. The box is approximately 4"H x 2"W x 1" D and will have a tamper seal sticker. Herban Extracts will provide retail stores with fully opaque exit bags to place the boxes into before the customer leaves the store. All boxes will be white with blue blue logo markings. 
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	**KEEP OUT OF THE REACH OF CHILDREN.** **FOR USE ONLY BY ADULTS 21 AND OLDER.** MARIJUANA HAS INTOXICATING EFFECTS AND MAY BE HABIT FORMING AND ADDICTIVE. MARIJUANA IMPAIRS CONCENTRATION, COORDINATION, AND JUDGEMENT. DO NOT OPERATE A VEHICLE OR MACHINERY UNDER ITS INFLUENCE. THERE ARE HEALTH RISKS ASSOCIATED WITH CONSUMPTION OF MARIJUANA. MARIJUANA SHOULD NOT BE USED BY WOMEN WHO ARE PREGNANT OR BREAST FEEDING. **HERBAN EXTRACTS** License # 14432 Net Wt.=_____g Potency Total THC:____% Total CBD:____% THC ____mg/container; ____mg/serving CBD____ mg/container; ____mg/serving Terpene Profile: Total Terpene %:_____ Pesticides:_____ Fungicides:_____ Herbicides:_____ Lot #_____ Product Made On:_____ Tested By:_____ Test Date:_____

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Wholesale Ethanol Concentrate Oil - decarboxylated or not decarboxylated		
Product Type:	Bulk Ethanol Concentrate for Wholesale to other manufacturers (for use in manufacturing edibles.		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	Wholesale Ethanol concentrate oil to be sold in bulk to other product manufacturers for use in manufacturing edible products. Ethanol extracted oil will vary in color from a very light amber to dark amber and will come in different strains, including cannabinoids, terpene profiles, flavonoids, and distillates. The oil is a thick sticky liquid.

Ingredients: This box is not applicable to marijuana concentrates.	N/A

Standard Production Procedure and Detailed Manufacturing Process:	This concentrate is produced using food grade ethanol as a solvent to extract the oil. The cannabis material is soaked and washed in ethanol which dissolves all extractable matter and contains oil along with unwanted plant material. The ethanol solution is filtered to remove the unwanted material and what remains is the cannabis oil in ethanol. We will use a rotary evaporator to remove the ethanol. The ethanol is recaptured to be used again. The oil will then be loaded into glass jars for selling to other manufacturers.

Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Wholesale Ethanol Concentrate Oil - decarboxylated or not decarboxylated
Product Type:	Bulk Ethanol Concentrate for Wholesale to other manufacturers (for use in manufacturing edibles.

Packaging Description: Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.	Wholesale Ethanol Concentrate oil sold in bulk to other manufacturing facilities will be packaged in glass jars up to 1 pound for use in manufacturing marijuana edible products. THC content will range from 50-99%.

Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	Produced By: Herban Extracts License Number: 14432 Product Name: Wholesale Ethanol Concentrate Oil Batch/Lot Number: Gross Weight: Net MJ Weight: Packaging Date: Best By Date: Strain: Tested By: License Number: Total THC: THCA: CBD: CBDA: CBN: Microbial Test: Pesticides: Herbicides: Fungicides: Residual Solvent Test: Contaminants Test Result: Retailer: License Number: **Alaska Safety Warning:** Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding. Keep Refrigerated

HERBAN EXTRACTS
Expertly Crafted in Kenai, Alaska

Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Pull & Snap		
Product Type:	CO2 Concentrate (for inhalation via dabbing)		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	This cannabis oil has a very particular consistency. Pull & Snap is known to be neither too runny nor too solid at room temperature. Because of its consistency existing somewhere between wax and shatter, it stretches when pulled before breaking off with a signature snapping sound. The color will range from very light amber to dark amber and will come in different strains, including different cannabinoids, or terpene profiles.
Ingredients: This box is not applicable to marijuana concentrates.	N/A
Standard Production Procedure and Detailed Manufacturing Process:	CO2 concentrate oil is produced using CO2 as a solvent in a closed loop system. The CO2 is compressed into a liquid form which saturates the cannabis material and extracts the desired cannabinoids, terpenes, or flavonoids using different temperatures and pressures. As the CO2 s warmed back up after extraction, it turns back into a gas(which is recovered), which causes the cannabis oil to separate into a collection container. The oil may undergo further refining to remove the plant waxes thru a process called winterization, which involves combining the oil with plant waxes to be mixed with food grade ethanol and placed in a freezer for several days. The ethanol/oil mixture then gets filtered to help separate the waxes from the oil. The winterization step may get repeated. The ethanol/oil mixture gets mixed with activated charcoal and filtered so that what remains is an oil/ethanol mixture free of waxes and lipids. This mixture will then have the ethanol evaporated off using a closed loop rotary evaporator. Some of the oil from the extractor will also undergo further refinement to isolate specific cannabinoids, terpenes, or flavonoids. This process is known as fractional or short-path distillation. Short path distillation uses vacuum pressure, and heat to manipulate boiling points so that compounds are subjected to much cooler temperatures when they pass thru. Depending on the distillation process, these volatile compounds can either be fractioned individually or simultaneously for collection. These isolated molecules may be reintroduced to the oil after being isolated, homogenized and placed into a vacuum oven.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

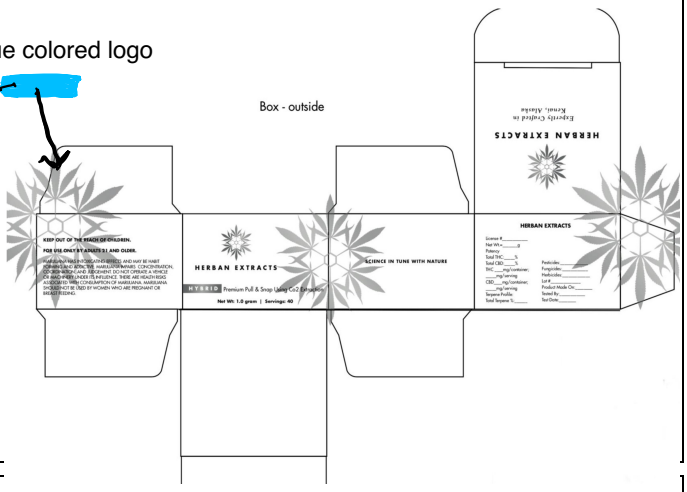
Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	Pull & Snap
Product Type:	CO2 Concentrate (for inhalation via dabbing)

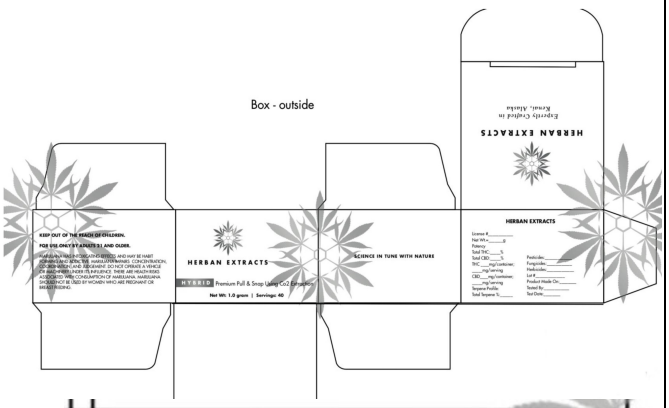
Packaging Description:
Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.

One gram of Pull and Snap will be packaged in 5ml, round, child-resistant containers with a screw top lid. The total THC will range from 50-99% (the actual THC content will be listed on the label per testing results). The container will be placed into a box approximately 1 9/16" x 1 9/16" x 1 1/4" paperboard box with a tamper seal. Herban Extracts will provide retail stores with full opaque exit bags to place the box into before customers leave the store.

All boxes will be white with blue colored logo



Sample Labels:
Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.



KEEP OUT OF THE REACH OF CHILDREN.

FOR USE ONLY BY ADULTS 21 AND OLDER.

MARIJUANA HAS INTOXICATING EFFECTS AND MAY BE HABIT FORMING AND ADDICTIVE. MARIJUANA IMPAIRS CONCENTRATION, COORDINATION, AND JUDGEMENT. DO NOT OPERATE A VEHICLE OR MACHINERY UNDER ITS INFLUENCE. THERE ARE HEALTH RISKS ASSOCIATED WITH CONSUMPTION OF MARIJUANA. MARIJUANA SHOULD NOT BE USED BY WOMEN WHO ARE PREGNANT OR BREAST FEEDING.

Closeup of box side with warning label:

Close up of testing results label **HERBAN EXTRACTS**

License #_____
Net Wt.=_____g
Potency
Total THC:____%
Total CBD:____%
THC ____mg/container;
_____mg/serving
CBD____mg/container;
_____mg/serving
Terpene Profile:
Total Terpene %:_____

Pesticides:_____
Fungicides:_____
Herbicides:_____
Lot #_____
Product Made On:_____
Tested By:_____
Test Date:_____

Section 8 – Prohibitions

Review the requirements under 3 AAC 306.510.

8.1. I certify that the marijuana product manufacturing facility will not: Initials

a. **sell, deliver, distribute, or transfer any marijuana, marijuana concentrate, or marijuana product directly to a consumer, with or without compensation;** BC

b. **allow any person, including a licensee, employee, or agent, to consume marijuana, marijuana concentrate, or marijuana product on the licensed premises; or** BC

c. **manufacture or sell any product that is an adulterated food or drink, closely resembles a familiar food or drink item including candy, or is packaged to look like candy, or in bright colors or with cartoon characters or other pictures or images that would appeal to children.** BC

I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Buddy Crowder
Signature of licensee

Buddy Crowder
Printed name of licensee

Lisa A. Coates
Notary Public in and for the State of Alaska

My commission expires: 03/26/2021

Subscribed and sworn to before me this 4th day of September, 2018.

NOTARY PUBLIC
LISA A. COATES
STATE OF ALASKA
My Commission Expires March 26, 2021

Received by AMCO 9.17.18

(Additional Space as Needed):