



## MEMORANDUM

TO: Chair Mlynarik and Members of the Board

DATE: September 14, 2017

FROM: Erika McConnell, Director

RE: Good Titrations #10886  
Product Manufacturing Facility

Good Titrations is requesting an operating plan change to modify three approved products. The products being modified are wax, cannabis oil, and cannabis oil for vaporization.

This license, with five products, was first approved with delegation by the Board on December 6, 2016, and became effective on June 12, 2017.



**From:** Christina Thibodeaux  
**To:** [Marijuana Licensing \(CED sponsored\)](#)  
**Cc:** [Jana Weltzin](#); [Valerie Mastolier](#); [Shaun Tacke](#); [shaun.tacke@gmail.com](mailto:shaun.tacke@gmail.com)  
**Subject:** #10886 Good Titrations - MJ-15 Operating Plan Change  
**Date:** Wednesday, August 16, 2017 9:31:38 AM  
**Attachments:** [10886 MJ-15 Operating Plan Change Good Titrations.pdf](#)  
[10886 Cover Sheet.pdf](#)

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Good Morning Mark and Jane,

Please find attached a MJ-15 Operating Plan Change for Good Titrations #10886. We would also like to request temporary approval from Director McConnell pending final board approval. Below is a brief explanation of the changes requested:

- Wax – added food grade terpenes to the standard production procedure and detailed manufacturing process section
- Cannabis Oil for Vaporization – added distilled cannabis oil, propylene glycol and food grade terpenes to the standard production procedure and detailed manufacturing process section
- Cannabis Oil – changed the name to include distilled and not distilled, added “Post evaporation, cannabis oil may be refined through fractional distillation.” at the end of the standard production procedure and detailed manufacturing process section

Please let us know if anything further is required in order to obtain temporary approval from the Director and get scheduled for the upcoming board meeting.

A \$250 check will be hand delivered by JDW Counsel.

Thank you and please confirm receipt,

*Tina Thibodeaux*

JDW, LLC

Paralegal

3003 Minnesota Drive Suite 201

Anchorage, Alaska 99503

907-231-3750

[info@jdwcounsel.com](mailto:info@jdwcounsel.com)

[christina@jdwcounsel.com](mailto:christina@jdwcounsel.com)

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Alaska Marijuana Control Board

# Cover Sheet for Marijuana Establishment Applications

Alcohol & Marijuana Control Office  
550 W 7<sup>th</sup> Avenue, Suite 1600  
Anchorage, AK 99501  
marijuana.licensing@alaska.gov  
https://www.commerce.alaska.gov/web/amco  
Phone: 907.269.0350

## What is this form?

This cover sheet **must** be completed and submitted any time a document, payment, or other marijuana establishment application item is emailed, mailed, or hand-delivered to AMCO's main office.

**Items that are submitted without this page will be returned in the manner in which they were received.**

### Section 1 – Establishment Information

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

<b>Licensee:</b>	FSE, Inc.	<b>License Number:</b>	10886		
<b>License Type:</b>	Marijuana Product Manufacturing Facility				
<b>Doing Business As:</b>	GOOD TITRATIONS				
<b>Physical Address:</b>	1770 Donald Ave, Suite B				
<b>City:</b>	Fairbanks	<b>State:</b>	AK	<b>Zip Code:</b>	99701
<b>Designated Licensee:</b>	Shaun Tacke				
<b>Email Address:</b>	shaun.tacke@gmail.com				

### Section 2 – Attached Items

List all documents, payments, and other items that are being submitted along with this page.

<b>Attached Items:</b>	MJ-15  (\$250 check to be hand delivered by JDW Counsel)
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#### OFFICE USE ONLY

Received Date:		Payment Submitted Y/N:		Transaction #:	
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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, under 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 credit card online (VISA, MasterCard, or Discover), or by check or money order.**

Please download, complete, and submit with this form **only the pages** of Form MJ-01 and/or the corresponding operating plan supplemental that contain sections that you are requesting to change. All fields that are left blank will be considered unchanged from the existing operating plan. All fields that are completed and submitted with this form will be considered as changes to the existing operating plan and are subject to board approval. **Please do not submit any wholly unchanged pages of an operating plan.**

### 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 Marijuana Control Board has approved 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 licensed establishment.

Licensee:	FSE, Inc.	License Number:	10886		
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	Good Titrations				
Premises Address:	1770 Donald Ave, Suite B				
City:	Fairbanks	State:	AK	ZIP:	99701



Alaska Marijuana Control Board  
**Operating Plan Supplemental  
 Form MJ-05: Marijuana Product Manufacturing Facility**

Alcohol and Marijuana Control Office  
 550 W 7<sup>th</sup> Avenue, Suite 1600  
 Anchorage, AK 99501  
[marijuana.licensing@alaska.gov](mailto:marijuana.licensing@alaska.gov)  
<https://www.commerce.alaska.gov/web/amco>  
 Phone: 907.269.0350

**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis oil - distilled and not distilled
<b>Type:</b>	Concentrate
<b>Product Description:</b> Details must include the color, shape, and texture.	The color of cannabis oil for edibles range from dark green to a light Carmel color, can be slightly viscous in nature, or can have the texture of olive oil depending on the strain and THC and CBD levels.
<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Cannabis oil will be extracted using a closed loop machine in which flower and/or trim from cannabis plants are ran through and the following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane, or ethanol. Once marijuana concentrate has been extracted by terpenator machines it will go to one of two areas. The first of these two is the winterizing area and the second is the vacuum purging area. The winterizing process removes plant waxes from marijuana concentrate and produces a smoother product. Winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g: 10ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized the product will be placed in a freezer maintained at -20°F for 48 hours. After the 48 hour time period the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator. Post evaporation, cannabis oil may be refined through fractional distillation.
<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	



Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

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Phone: 907.269.0350

**Section 5 – Proposed Product Packaging and Sample Labels**

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis Oil- distilled and not distilled
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b> 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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Cannabis Oil that is sold to edible companies for purposes of infusing edibles shall be packaged in airtight jars not to exceed one pound. For cannabis oil that is packaged for direct retail consumption, the oil shall be packaged in 0.5g to 1.5 grams syringes and then placed in a 3 x 4.5 inch mylar bag and will not be repackaged by retail establishment.</p> <div style="display: flex; justify-content: space-around;">   </div>
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<p><b>Sample Labels:</b> Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<div style="text-align: center;">  </div> <p>Business Name: License Number: Strain:    THC: %____    CBD: %____ Production Lot Number: _____ Gross Weight: _____ Net MJ Weight: _____ Packaging Date: _____ Expiration Date: _____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: _____ 3 AAC 306.570 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 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.</p>
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Alaska Marijuana Control Board

**Operating Plan Supplemental  
 Form MJ-05: Marijuana Product Manufacturing Facility**

Section 4 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. **Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.**

<b>Product Name:</b>	Wax
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	Wax has a waxy appearance and texture - color ranges per strains used but typically is a golden color and sometimes is light yellow. Unlike shatter, wax is always soft and pliable to the touch.
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Wax is created using a closed loop machine in which flower and/or trim and food grade terpenes are ran through. The following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane or ethanol. Once marijuana concentrate has been extracted by terpenator machines, it will go to on of two areas; the first of these two is the winterizing area and the second is the vacuum purging area. Marijuana concentrate will be vacuum purged until it reaches the proper consistency. Various heat and temperature applications will result in marijuana concentrate finished product being labeled wax. The winterizing process removes plant waxes from marijuana concentrates and produces a smoother product. The winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g 10 ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized, the product will be placed in a freezer maintained at -20 degrees F for 48 hours. After the 48 hour time period, the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator to remove solvents per 3 AAC 306.645. Marijuana concentrate will be vacuum purged until it reaches the proper consistency.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	 
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Alaska Marijuana Control Board

# Operating Plan Supplemental Form MJ-05: Marijuana Product Manufacturing Facility

## Section 4 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. **Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.**

<b>Product Name:</b>	Cannabis Oil for Vaporization
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	Cannabis oil for vaporization for filling vape-pen cartridges - the liquid is clear with a yellow tint and will come in different strains. Each cartridge will be able to hold between 0.5 to 1.5 grams of product per unit.
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Cannabis oil and or distilled cannabis oil, glycerin, propylene glycol and food grade terpenes will be heated and combined until fully blended and then loaded into cartridges that will hold between 0.5 to 1.5 grams per unit.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	
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Alcohol and Marijuana Control Office

550 W 7<sup>th</sup> Avenue, Suite 1600

Anchorage, AK 99501

[marijuana.licensing@alaska.gov](mailto:marijuana.licensing@alaska.gov)

<https://www.commerce.alaska.gov/web/amco>

Phone: 907.269.0350

Alaska Marijuana Control Board

## Form MJ-15: Operating Plan Change

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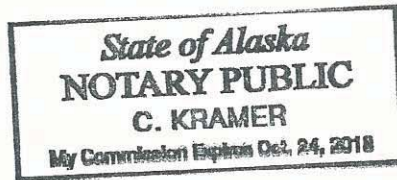
As a marijuana establishment licensee, I declare under penalty of unsworn falsification that I have examined this form, including all accompanying documents, schedules, and statements, and to the best of my knowledge and belief find them to be true, correct, and complete.

Signature of licensee

Shawn Tacke

Printed name

Subscribed and sworn to before me this 15<sup>th</sup> day of August, 2017.

  
Notary Public in and for the State of Alaska.

My commission expires: October 24, 2018

**ORIGINAL**  
**APPROVED**  
**MJ-05**



Alaska Marijuana Control Board  
**Operating Plan Supplemental  
 Form MJ-05: Marijuana Product Manufacturing Facility**

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**What is this form?**

This operating plan supplemental form is required for all applicants seeking a marijuana product manufacturing facility license and must accompany the **Marijuana Establishment Operating Plan (Form MJ-01)**, 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 those 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 product manufacturing facilities?**

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

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

**This form must be submitted to AMCO's main office before any marijuana product manufacturing facility license application will be considered complete.**

**Section 1 – Establishment Information**

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

Licensee:	FSE, Inc.	License Number:	10886		
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	GOOD TITRATIONS				
Premises Address:	1770 Donald Ave, Suite B				
City:	Fairbanks	State:	ALASKA	ZIP:	99701



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**Section 2 – Prohibitions**

Applicants should review 3 AAC 306.510 and be able to answer "Agree" to all items below.

The marijuana product manufacturing facility will not: Agree Disagree

Sell, deliver, distribute, or transfer any marijuana, marijuana concentrate, or a marijuana product directly to a consumer, with or without compensation

Allow any person, including a licensee, employee, or agent, to consume marijuana, marijuana concentrate, or a marijuana product on its licenses premises

The marijuana product manufacturing facility will not manufacture or sell any product that: Agree Disagree

Is an adulterated food or drink

Closely resembles a familiar food or drink item including candy

Is packaged to look like candy, or in bright colors or with cartoon characters or other pictures or images that would appeal to children

**Section 3 – Equipment, Compounds, and Processes to be Used**

Review the requirements under 3 AAC 306.555, and identify how the proposed premises will meet the listed requirements.

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

Good Titrations will employ the following methods/techniques and equipment to create and process marijuana concentrate and other marijuana by-products and extractions: Closed loop extractor that uses Butane, N-Butane, ethanol, and Iso-Butane for extraction. Also used is a recovery pump, filter drier, Erlenmeyer flasks and a magnetic stirring plate, vacuum assisted Whatman filter system and filter vacuum flask and rotary evaporator.

The facility may also use methods of extraction that do not require solvents such as keif sifting, cold water/ dry ice metods, and heat-press for rosin extracting in the future.



Alaska Marijuana Control Board

## Operating Plan Supplemental Form MJ-05: Marijuana Product Manufacturing Facility

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Describe the processes to be used to create marijuana concentrates:

A variety of marijuana concentrates will be created through the use of water-, food-, and solvent-based (N butane, iso butane, propane, ethanol, or hexane. ) extractions. The facility will use a professional grade equipment system with proper ventilation and control of all possible ignition sources. The professional grade equipment will be used in compliance with the manufacturer's stated pressure ratings and have certification from a licensed engineer that the system is commercially manufactured, is safe for its intended use, and is built to code and in compliance with local fire, safety, and building code requirements. The facility will utilize a closed loop extraction system where marijuana plant matter is combined with a solvent or combination of solvents (N butane, iso butane, propane or hexane, and/or ethanol) which causes the resin glands from the plants to be detached from the plant matter and suspended in the solvent solution. To remove wax and residual solvents, the solution is distilled and/or winterized, leaving behind concentrated cannabis. The concentrated cannabis is then placed into a vacuum oven for 1-10 days in order to achieve the desired finish for a particular marijuana concentrate product texture such as shatter, or wax. Any extraction equipment used by the facility will be maintained and operated in compliance with the manufacturer's directives, and regularly inspected and serviced to maintain its integrity and function. All employees and agents operating, handling, inspecting, and cleaning the systems and vessels will be fully trained on how to use and maintain the system, and will have direct access to all applicable instructional and safety documents at all times. Each licensee, employee, or agent who is required or permitted to be physically present at the facility will have both a marijuana handler permit card and a food worker card on file on property prior to beginning work and at all times while on the premises. See following pages for process and description of creating products.



**Alaska Marijuana Control Board**  
**Operating Plan Supplemental**  
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 Phone: 907.269.0350

**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis oil
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	The color of cannabis oil for edibles range from dark green to a light Carmel color, can be slightly viscous in nature, or can have the texture of olive oil depending on the strain and THC and CBD levels.
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Cannabis oil will be extracted using a closed loop machine in which flower and/or trim from cannabis plants are ran through and the following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane, or ethanol. Once marijuana concentrate has been extracted by terpenator machines it will go to one of two areas. The first of these two is the winterizing area and the second is the vacuum purging area. The winterizing process removes plant waxes from marijuana concentrate and produces a smoother product. Winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g: 10ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized the product will be placed in a freezer maintained at -20°F for 48 hours. After the 48 hour time period the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator. to remove solvents per 3 AAC 306.645.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	
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**Operating Plan Supplemental**  
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 Phone: 907.269.0350

**Section 5 – Proposed Product Packaging and Sample Labels**

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis Oil
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b>          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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Cannabis Oil that is sold to edible companies for purposes of infusing edibles shall be packaged in airtight jars not to exceed one pound. For cannabis oil that is packaged for direct retail consumption, the oil shall be packaged in 0.5g to 1.5 grams syringes and then placed in a 3 x 4.5 inch mylar bag and will not be repackaged by retail establishment.</p> <div style="display: flex; justify-content: space-around;">   </div>
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<p><b>Sample Labels:</b>          Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<div style="text-align: center;">  </div> <p>Business Name:          License Number:          Strain:    THC: % _____    CBD: % _____          Production Lot Number: _____ Gross Weight: _____ Net MJ Weight: _____          Packaging Date: _____ Expiration Date: _____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: _____ 3 AAC 306.570 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 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.</p>
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**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**


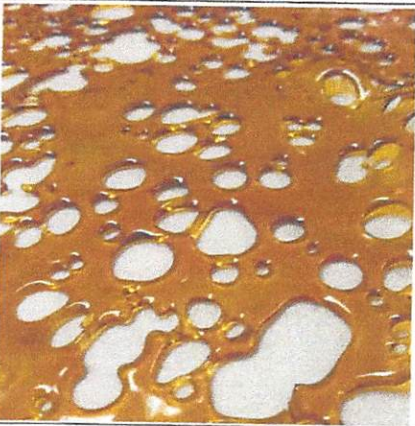
Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. **Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.**

<b>Product Name:</b>	Shatter
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	Shatter, depending on the strain of marijuana used, can be a smooth glass like texture that is hard and brittle, hence the term shatter. However, certain strains of marijuana create shatter that is more akin to spruce sap that has been on the bark of trees for few months, not quite solid but liquid enough to be pliable. Its often a dark amber color and sometimes light honey color - strain dependent.
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Shatter is created using a closed loop machine in which flower and/or trim from cannabis plants are ran through and the following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane, or ethanol. Once marijuana concentrate has been extracted by terpene machines it will go to one of two areas. The first of these two is the winterizing area and the second is the vacuum purging area. Marijuana concentrate will be vacuum purged until it reaches the proper consistency. Various heat and temperature applications will result in marijuana concentrate finished product being labeled shatter. The winterizing process removes plant waxes from marijuana concentrate and produces a smoother product. Winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g: 10ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized the product will be placed in a freezer maintained at -20°F for 48 hours. After the 48 hour time period the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator to remove solvents per 3 AAC 306.645. Marijuana concentrate will be vacuum purged until it reaches the proper consistency.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	 
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Operating Plan Supplemental**

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**Section 5 – Proposed Product Packaging and Sample Labels**

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Shatter
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b> 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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Shatter will be in a small 5ml beveled acrylic screw top container, containing no more than 1 gram of product, and then the container will be placed in a mylar bag - see exhibit A attached - that will contain the warnings, name of the product, and required 306.570 warnings.</p> <div style="text-align: center;"> </div>
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<p><b>Sample Labels:</b> Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<p>Information below will be attached to the mylar bag:</p> <p><b>Good TITRATIONS</b></p> <p>Business Name: License Number: Strain:    THC: % ____    CBD: % ____ Production Lot Number: ____ Gross Weight: ____ Net MJ Weight: ____ Packaging Date: ____ Expiration Date: ____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: ____ 3 AAC 306.570 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 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.</p>
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Alaska Marijuana Control Board  
**Operating Plan Supplemental  
 Form MJ-05: Marijuana Product Manufacturing Facility**

Alcohol and Marijuana Control Office  
 550 W 7<sup>th</sup> Avenue, Suite 1600  
 Anchorage, AK 99501  
[marijuana.licensing@alaska.gov](mailto:marijuana.licensing@alaska.gov)  
<https://www.commerce.alaska.gov/web/amco>  
 Phone: 907.269.0350

**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Wax
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	Wax has a waxy appearance and texture - color ranges per strains used but typically is a golden color and sometimes is light yellow. Unlike shatter, wax is always soft and pliable to the touch.
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Wax is created using a closed loop machine in which flower and/or trim from cannabis plants are ran through and the following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane, or ethanol. Once marijuana concentrate has been extracted by temperator machines it will go to one of two areas. The first of these two is the winterizing area and the second is the vacuum purging area. Marijuana concentrate will be vacuum purged until it reaches the proper consistency. Various heat and temperature applications will result in marijuana concentrate finished product being labeled wax. The winterizing process removes plant waxes from marijuana concentrate and produces a smoother product. Winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g: 10ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized the product will be placed in a freezer maintained at -20°F for 48 hours. After the 48 hour time period the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator to remove solvents per 3 AAC 306.645. Marijuana concentrate will be vacuum purged until it reaches the proper consistency.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	
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**Section 5 – Proposed Product Packaging and Sample Labels**

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. **Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.**

<b>Product Name:</b>	Wax
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b>          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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Wax will be in a small 5ml beveled acrylic screw top container, containing no more than 1 gram of product, and then the container will be placed in a mylar bag - see exhibit A attached - that will contain the warnings, name of the product, and required 306.570 warnings.</p> <div style="display: flex; justify-content: space-around;">   </div>
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<p><b>Sample Labels:</b>          Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<p>Information below will be attached to the mylar bag:</p>  <p>Business Name:          License Number:          Strain:    THC: % _____    CBD: % _____          Production Lot Number: _____ Gross Weight: _____ Net MJ Weight: _____          Packaging Date: _____ Expiration Date: _____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: _____          3 AAC 306.570 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 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.</p>
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**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis Oil for Vaporization
<b>Type:</b>	Concentrate
<b>Product Description:</b> Details must include the color, shape, and texture.	Cannabis oil for vaporization for filling vape-pen cartridges - the liquid is clear with a yellow tint and will come in different strains. each cartridge will be able to hold between 0.5 to 1.5 gram of product per unit.
<b>Ingredients:</b> This box is not applicable to marijuana concentrates	Cannabis oil and glycerin
<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Cannabis oil and glycerin will be heated and combined until fully blended and then loaded into cartridges that will hold between 0.5 to 1.5 grams per unit.
<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	



Alaska Marijuana Control Board

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## Section 5 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Cannabis Oil for Vaporization
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b> 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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Packaging will be the mylar bags (see Exhibit A) and the cartoridges shall be placed inside the bag which will have attached to it the warnings, name of the product, and required 306.570 warnings.</p> 
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<p><b>Sample Labels:</b> Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<p>Information below will be attached to the mylar bag:</p>  <p>Business Name: License Number: Strain:    THC: % _____    CBD: % _____ Production Lot Number: _____ Gross Weight: _____ Net MJ Weight: _____ Packaging Date: _____ Expiration Date: _____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: _____ 3 AAC 306.570 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 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.</p>
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**Section 4 – Proposed Marijuana Concentrates and Marijuana Products**

Review the requirements under 3 AAC 306.520 - 3 AAC 306.525 and 3 AAC 306.560, and identify how the proposed establishment will meet the listed requirements. **Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.**

<b>Product Name:</b>	Crumble
<b>Type:</b>	Concentrate

<b>Product Description:</b> Details must include the color, shape, and texture.	Crumble has a similar appearance to wax except it is not as pliable and has a tendency to break apart - hence the term "crumble" - when touched. Crumble can vary in color due to strains used, but is typically a golden green-yellow color .
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<b>Ingredients:</b> This box is not applicable to marijuana concentrates	
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<b>Standard Production Procedure and Detailed Manufacturing Process:</b>	Crumble is created using a closed loop machine in which flower and/or trim from cannabis plants are ran through and the following solvents will be by themselves or in a combination used to extract the CBDs and THC from the plant material: Butane, N-Butane, Iso-Butane, or ethanol. Once marijuana concentrate has been extracted by terpenator machines it will go to one of two areas. The first of these two is the winterizing area and the second is the vacuum purging area. Marijuana concentrate will be vacuum purged until it reaches the proper consistency. Various heat and temperature applications will result in marijuana concentrate finished product being labeled crumble. The winterizing process removes plant waxes from marijuana concentrate and produces a smoother product. Winterization process begins by dissolving BHO in 200 proof food grade ethanol (ETOH). BHO will be dissolved in ETOH at a ratio of 1g: 10ml. Homogeneity of solution will be achieved with the use of Erlenmeyer flasks and a magnetic stirring plate. Once BHO: ETOH solution is homogenized the product will be placed in a freezer maintained at -20°F for 48 hours. After the 48 hour time period the solution will be filtered using a vacuum assisted Whatman filter system and filter vacuum flask. Filtered solution will then be transferred to our rotary evaporator to remove solvents per 3 AAC 306.645. Marijuana concentrate will be vacuum purged until it reaches the proper consistency.
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<b>Depiction:</b> Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	 
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**Section 5 – Proposed Product Packaging and Sample Labels**

Review the requirements under 3 AAC 306.520 and 3 AAC 306.565 – 3 AAC 306.570, and identify how the proposed establishment will meet the listed requirements. Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

<b>Product Name:</b>	Crumble
<b>Type:</b>	Concentrate

<p><b>Packaging Description:</b>          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. Attached photos, drawings, or graphic representations are preferred.</p>	<p>Crumble will be in a small 5ml beveled acrylic screw top container, containing no more than 1 gram of product, and then the container will be placed in a mylar bag - see exhibit A attached - that will contain the warnings, name of the product, and required 306.570 warnings.</p> <div style="display: flex; justify-content: space-around;">   </div>
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<p><b>Sample Labels:</b>          Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.</p>	<p>Information below will be attached to the mylar bag:</p>  <p>Business Name:          License Number:          Strain:    THC: %____    CBD: %____          Production Lot Number: _____ Gross Weight: _____ Net MJ Weight: _____          Packaging Date: _____ Expiration Date: _____ Contaminants tested for: mold, mildew, filth, herbicides, pesticides, fungi, harmful chemicals. Results of Solvent Testing: _____ 3 AAC 306.570 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 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.</p>
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**Section 6 – Waste Disposal Plan**

Review the requirements under 3 AAC 306.520, and identify how the proposed premises will meet the listed requirements.

**Describe the marijuana product manufacturing facility's plan for disposal of any expired or outdated marijuana or marijuana product that is not sold or transferred to another licensed marijuana establishment:**

The facility has a disposal plan for marijuana product waste and all concentrate that does not meet state testing requirements or the company's internal quality standards. All marijuana materials marked for disposal will be stored in a secured container separate from all other products until it can be disposed of. Marijuana waste will be rendered unusable before departing the facility for disposal. Authorized agents will grind any solid marijuana waste and incorporate it with non-compostable and/or compostable solid wastes until the resulting mixture is at least fifty percent (50%) non-marijuana waste. Non-compostable solid wastes will include paper waste, plastic waste, cardboard waste, and soil. Compostable solid wastes will include food waste, yard waste, and vegetable-based grease or oils. Management will inspect the resulting mixture to ensure it is composed of no more than fifty percent (50%) marijuana by solid and liquid volume, and will log the composition in a disposal log, available to the MCB upon request. The log will list the status of all marijuana products marked as waste, including the type, date of disposal, date it was rendered unusable, and date that it was picked up by the disposal company. The company intends to dispose of: (1) waste from water-, food-, and solvent-based extraction mediums; (2) marijuana concentrate and product that is contaminated, infected, or fails to meet quality or purity testing; and (3) run off water from the manufacturing process. This process will be completed a minimum of once per day, before the facility closes, and the resulting mixture will be securely stored in locked containers located within the premises. All locks will comply with the highest UL standards, and only authorized agents will have access to the keys. Good Titrations, after giving AMCO three (3) day prior notice, will have a dumpster (capable of movement) inside the facility, which will have wheels on the bottom and will be wheeled to front of facility through one of the bay doors by an authorized employee which will move the dumpster out to the curb on trash pick up day and monitor the dumpster until pick up is complete. To ensure accurate tracking and that no diversion occurs, the daily manager will meet with the waste truck driver and collect a signature and name, the date, time, and the type of marijuana waste being collected. This information will be entered into a disposal log by the manager. Which will be securely stored and made available to the MCB upon request. The information will then be entered into the disposal log and stored as a business record.





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Section 7 – Testing

The area where in-house testing will occur must be identified on the premises diagram, per 3 AAC 306.520(2). Yes No

Will the marijuana product manufacturing facility perform in-house testing (as defined in 3 AAC 306.990(b)(20))?

Applicants should review 3 AAC 306.550 and be able to answer "Agree" to the item below.

The marijuana cultivation facility applicant has: Agree Disagree

Read and understands and agrees to the required laboratory testing set forth in 3 AAC 306.550

I declare under penalty of perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Frank Berardi  
Signature of licensee

Frank Berardi  
Printed name

Subscribed and sworn to before me this 6 day of SEPTEMBER, 2018.

Notary Public  
AMANDA WHITSLAR  
State of Alaska  
My Commission Expires 8/1/2018

Amanda Whitslar  
Notary Public in and for the State of Alaska.

My commission expires: 8/1/2018



Size 3

3.4" x 5" w/ 2.1" gusset

87mm x 127mm w/ 54mm gusset

