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

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 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:	Frog Mountain LLC	**License Number:**	14020		
License Type:	Marijuana Concentrate Manufacturing Facilities				
Doing Business As:	Frog Mountain				
Premises Address:	9779 Totem Bight Rd.				
City:	Ketchikan	**State:**	ALASKA	**ZIP:**	99901

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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:

The facility will be using a High-Flo Supercritical CO2 Extractor from Eden Labs to create marijuana concentrates. The chemicals used will be CO2 for extraction and Ethyl Alcohol for the winterization / post processing of the extract. As technology and expertise of the extraction method improves the facility will only be using CO2 and plans to eliminate the secondary processing requirement through the process of fractionation.

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Describe the processes to be used to create marijuana concentrates:

Marijuana flowers will be ground up to improve surface exposure through the extraction process. The ground material will then be packed into the extraction vessel. Liquid CO2 is heated slightly to become Supercritical CO2. It will be passed through the material and then travel into an expansion chamber where the CO2 will phase change again into a gas. As it changes into a gas it is separated from the marijuana extract by a difference in weights. The gas CO2 is then recaptured by cooling and recycled through the closed loop system. A collection of the Marijuana extract can easily be taken at any time during the extraction process. This extract, due to the properties of supercritical CO2, will contain a fair amount of fats and lipids that are picked up in the extraction. These are undesirable and therefore filtered out through a winterization process. This winterization process involves desolving the extract in high proof ethanol alcohol which is then placed in a freezer. the waxes are then able to be filtered out using a buchner funnel. Once the waxes have been removed the alcohol is distilled off using a closed vacuum assisted distiller which allows the temperatures to remain low and the alcohol to be reused in future winterizations. When the alcohol has been all reclaimed there is pure marijuana extract remaining.

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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.**

Product Name:	Vape Cartridge
Type:	Concentrate

Product Description: Details must include the color, shape, and texture.	Product will be a viscous sap or honey texture with an amber/blonde coloring depending on the strain of the source material.

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

Standard Production Procedure and Detailed Manufacturing Process:	Supercritical CO2 extraction in a closed loop extractor followed by a winterization/de-waxing process to eliminate the fats and lipids picked up from the plant during extraction

Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	see attached "Sample Vape Cartridge"

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

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.**

Product Name:	Vape Cartridge
Type:	Marijuana Concentrate

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. Attached photos, drawings, or graphic representations are preferred.	Packaging used will be a 4inch by 2 inch Mylar bag containing a pre-filled atomizer. The THC amounts will be labeled on the back of the packaging and will vary depending on the strain that has been extracted. See Attached Product Label

Sample Labels: Provide sample labels showing how the labeling information required in 3 AAC 306.570 will be set out.	See Attached Product Label

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Frog Mountain
CO_2 Extractions

Product : VAPE CARTRIDGE
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 0.5 gram

___% THC-A

___% THC-D9

___% CBD-A

___%CBD

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 associate with consumption of marijuana. For use only my 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.

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Frog Mountain
Extractions

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:	Concentrate Applicator		
Product Type:	Marijuana Concentrate		
Perishable: Yes/No	NO	**Shelf Life:** If perishable.	
Product Description: Details must include the color, shape, and texture.	The concentrate will be a sap like consistency. The color will be ranging from yellow to dark amber depending on the source material quality. Target color will be slightly yellow with a little amber color to it.		
Ingredients: This box is not applicable to marijuana concentrates.			
Standard Production Procedure and Detailed Manufacturing Process:	Supercritical CO2 extraction in a closed loop extractor followed by a winterization/de-waxing process to eliminate the fats and lipids picked up from the plant during extraction		
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	see attached Concentrate Applicator		

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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:	Concentrate Applicator
Product Type:	Marijuana Concentrate
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.	Packaging used will be a 4inch by 2 inch Mylar bag containing a pre-filled 1 gram glass syringe Applicator. The THC amounts will be labeled on the back of the packaging and will vary depending on the strain that has been extracted. See Attached ~~Product Label~~ Packaging for all concentrates
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	See attached Product Label

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Frog Mountain
CO_2 Extractions

Product : CONCENTRATE APPLICATOR
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

___% THC-A

___% THC-D9

___% CBD-A

___%CBD

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 associate with consumption of marijuana. For use only my 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.

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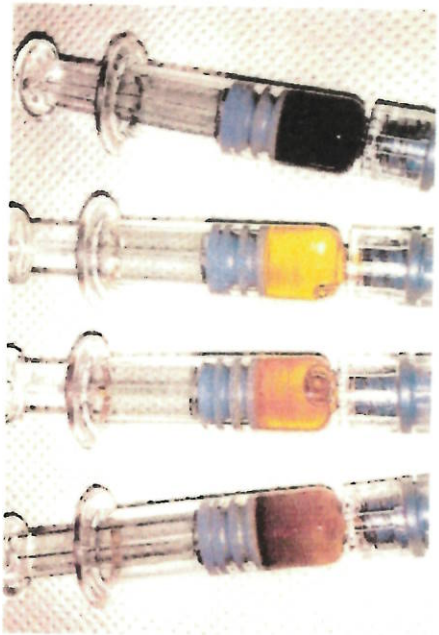
Concentrate Applicators



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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:	Hash		
Product Type:	Marijuana Concentrate		
Perishable: Yes/No	NO	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	The product will be light brown or amber in color and pressed into a puck, firm on the outside, with a crumbling center.
Ingredients: This box is not applicable to marijuana concentrates.	
Standard Production Procedure and Detailed Manufacturing Process:	Marijuana will be placed into the kief tumbler, it will spin in the tumbler braking off the trichomes which fall through a screen and into the collection basket. The Kief collected will then be pressed into a one gram puck.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	see attached Kief and Hash Pucks

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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:	Hash
Product Type:	Marijuana Concentrate
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.	Packaging used will be a 4 inch by 2 inch Mylar bag containing a pre-filled 1 gram glass jar. The THC amounts will be labeled on the back of the packaging and will vary depending on the strain that has been extracted. See Attached Glass Jar & Packaging for all concentrates
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	See attached Product Label

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Frog Mountain
CO_2 Extractions

Product : HASH
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

___% THC-A

___% THC-D9

___% CBD-A

___%CBD

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 associate with consumption of marijuana. For use only my 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.

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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:	Kief		
Product Type:	Marijuana Concentrate		
Perishable: Yes/No	NO	**Shelf Life:** If perishable.	

Product Description: Details must include the color, shape, and texture.	The product will be light brown or amber in color with a powder consistency
Ingredients: This box is not applicable to marijuana concentrates.	
Standard Production Procedure and Detailed Manufacturing Process:	Marijuana will be placed into the kief tumbler, it will spin in the tumbler braking off the trichomes which fall through a screen and into the collection basket.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	see attached Kief and Hash Pucks

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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:	Kief
Product Type:	Marijuana Concentrate
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.	Packaging used will be a 4 inch by 2 inch Mylar bag containing a pre-filled 1 gram glass jar. The THC amounts will be labeled on the back of the packaging and will vary depending on the strain that has been extracted. See Attached Glass Jar & Packaging for all concentrates
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	See attached Product Label

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Kief and Hash Pucks

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Frog Mountain
CO_2 Extractions

Product : KIEF
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

___% THC-A

___% THC-D9

___% CBD-A

___%CBD

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 associate with consumption of marijuana. For use only my 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.

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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:	Shatter		
Product Type:	Marijuana Concentrate		
Perishable: Yes/No	NO	**Shelf Life:** If perishable.	
Product Description: Details must include the color, shape, and texture.	The concentrate will be pull and snap or hard crack toffee like consistency, in a 1 gram glass container. The color will be ranging from yellow to dark amber depending on the source material quality. Target color will be slightly yellow with a little amber color to it.		
Ingredients: This box is not applicable to marijuana concentrates.			
Standard Production Procedure and Detailed Manufacturing Process:	Supercritical CO2 extraction in a closed loop extractor with parameters set to target the acidic forms of cannabinoids. Primarily THC-A		
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	see attached shatter		

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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:	Shatter
Product Type:	Marijuana Concentrate
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.	Packaging used will be a 4inch by 2 inch Mylar bag containing a pre-filled 1 gram glass jar. The THC amounts will be labeled on the back of the packaging and will vary depending on the strain that has been extracted. See Attached ~~Product Label~~ Glass Jar + Packaging for all Concentrates
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	See attached Product Label

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Shatter

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Frog Mountain
CO_2 Extractions

Product : SHATTER
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

___% THC-A

___% THC-D9

___% CBD-A

___%CBD

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 associate with consumption of marijuana. For use only my 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.

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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.

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:

The marijuana waste product and outdated material will be held for at least 3 days after notifying AMCO of intention to dispose. The material will be disposed of in accordance with regulations set forth by AMCO. Material will be mixed with either
(1) compostable materials including food waste, yard waste, vegetable based grease or oils, or other wastes approved by the board when the mixed material can be used as compost feedstock or in another organic waste method such as an anaerobic digester with approval of any applicable local government entity; or
(2) non-compostable materials including paper waste, cardboard waste, plastic waste, oil, or other wastes approved by the board when the mixed material may be delivered to a permitted solid waste facility, incinerator, or other facility with approval of any applicable local government entity.

The Ketchikan Land Fill will be able to incinerate material for final disposal.

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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.

Signature of licensee

Harold C Hagner

Printed name

Subscribed and sworn to before me this 2 day of Feb., 2018

S E Wagner

Notary Public in and for the State of Alaska

My commission expires: 11/7/2020

STATE OF ALASKA
NOTARY PUBLIC
SHARON E WAGNER
My Commission Expires Nov 7, 2020

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glass jar

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Product Labels

Frog Mountain
CO_2 Extractions

Product : KIEF
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

% THC-A
% THC-D9
% CBD-A
%CBD

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 associate with consumption of marijuana. For use only my 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.

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Frog Mountain
CO_2 Extractions

Product : NASH
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

% THC-A
% THC-D9
% CBD-A
%CBD

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 associate with consumption of marijuana. For use only my 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.

1234567895

Frog Mountain
CO_2 Extractions

Product : SHATTER
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

% THC-A
% THC-D9
% CBD-A
%CBD

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 associate with consumption of marijuana. For use only my 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.

1234567895

Frog Mountain
CO_2 Extractions

Product : CONCENTRATE APPLICATOR
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 1 gram

% THC-A
% THC-D9
% CBD-A
%CBD

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 associate with consumption of marijuana. For use only my 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.

1234567895

Frog Mountain
CO_2 Extractions

Product : VAPE CARTRIDGE
Manufactured at Frog Mountain
License # : 14020
LOT # 00001
Weight: 0.5 gram

% THC-A
% THC-D9
% CBD-A
%CBD

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 associate with consumption of marijuana. For use only my 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.

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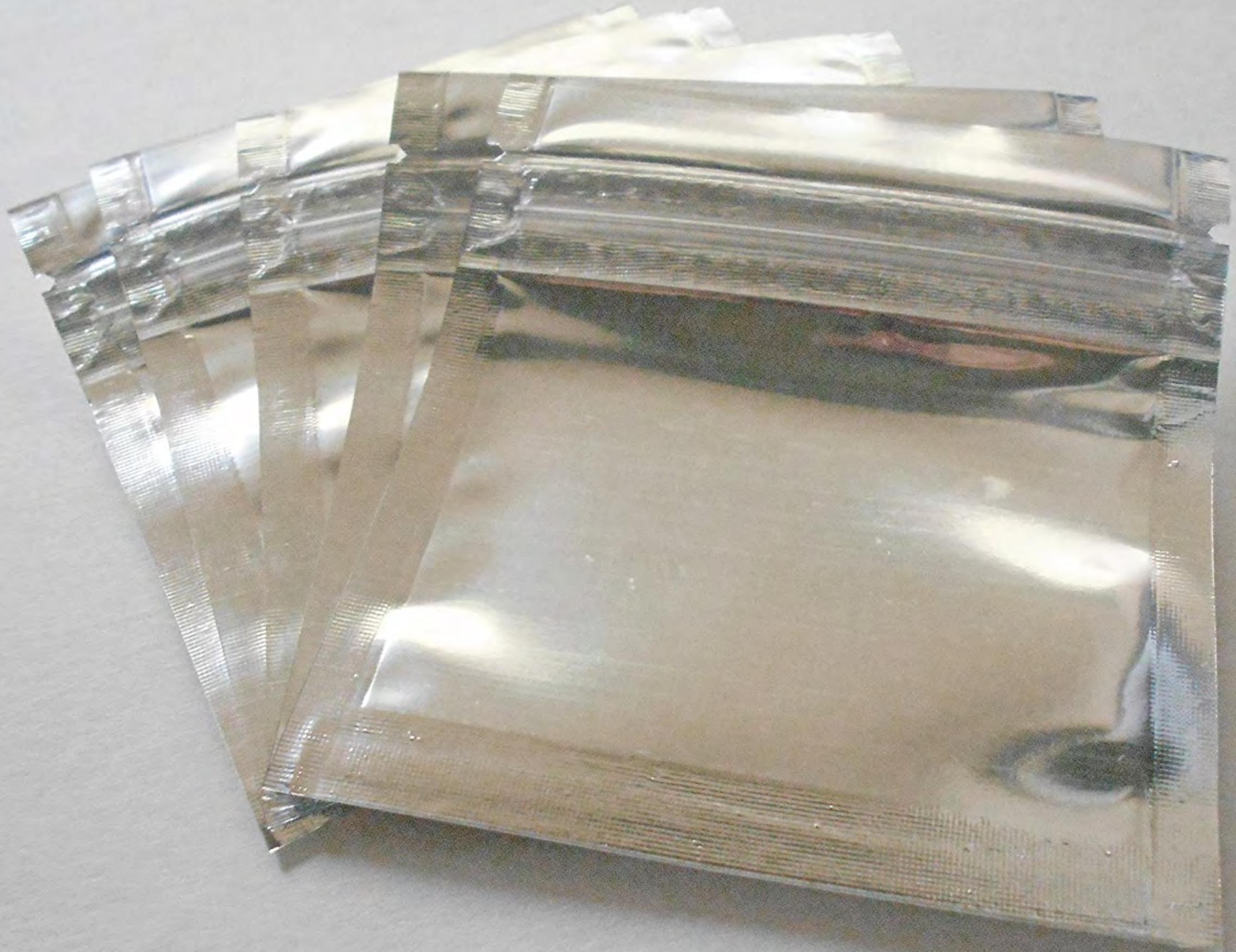
Sample Vape Cartridge

Packaging for all Concentrates

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