

**Protonify**

## **Cannabis Refining**

**Accelerate Regulated Manufacturing**



# Advanced Cannabis Refining & Extraction Solutions










Protonify enables product formulators and manufacturers to safely and reliably build brand affinity and large-scale automation for consumer packaged goods containing regulated ingredients.

**Transform Low-Value Material into High-Value Inputs** – Remove impurities affecting taste, odor, color, and potency.

**Approaching 100% Purity** – Higher consistency, increased potency, and a homogeneous final product.

**Regulatory Compliance & Consumer Safety** – Homogenization ensures accurate potency and meets compliance standards.

**Available for Sale Now** – Inventory that has undergone our unique Refining Methods, for purchase at competitive prices.

Adult Use	Bio-Pharma	Research
		
<p>Our highest purity (approaching 100%) botanical Active Pharmaceutical Ingredients (API) are applicable to a wide range of adult use products:</p> <p><b>Isolates &amp; Powders</b></p> <ul style="list-style-type: none"><li>• Infused pre-rolls</li><li>• Concentrates</li><li>• Tablets</li></ul> <p><b>Concentrates &amp; Extracts</b></p> <ul style="list-style-type: none"><li>• Beverages &amp; Edibles</li><li>• Gel capsules</li><li>• Vapes, Topicals, Tinctures</li></ul>  	<p>Protonify products meet and exceed the global standard for Active Pharmaceutical Ingredients (APIs) - a perfect fit for Bio-Pharma regulated and controlled production.</p>  	<p>Protonify's pure and stable isolates and concentrates are currently working to unlock drug research patents.</p>  



## Raw Material Rescue



- Failed Potency
- Distilled Heavies
- Variable Potency Batches

Proven business case to refine low potency / low purity raw material into finished goods ready for regulated manufacturing.

## Value Uplift



- Increase Sales Velocity
- Increase Price
- Convert and Improve Value

Adjust your inventory to address higher velocity market segments. Turn write downs into high margin returns.

## Color Correction



- Wash Out Impurities
- Filter Correct Discoloration
- Unify Disparate Lots

Target and maintain repeatable quality attributes to do with color and the absorption of light.

## Maximize Yield



- Extend Shelf Life
- Maximize Cannabinoid Value
- Diversify Category Management

Get the highest return from your biomass. Store, retain and convert value to adapt to changing market conditions.

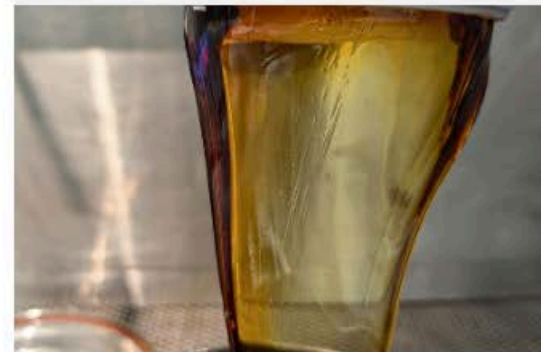
## Cannabis Refining Value Propositions

Refining is the critical step to ensure the most efficient, safe and scalable production of high-quality regulated consumer packaged goods.

As the industry grows, manufacturers must meet strict regulatory standards while delivering consistent, high-demand formulations. Impurities that impact taste, odor, color, and potency slow sales velocity and negatively impact user experience.

Refinement is essential for producing reliable, compliant, and consumer-friendly products with high demand turnover.

## Viscosity Adjustment



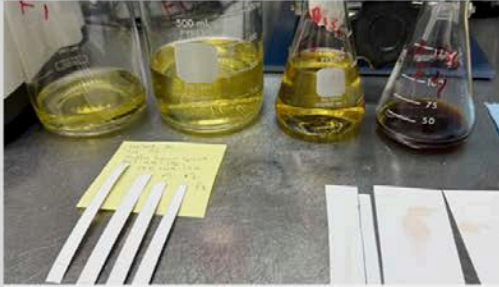
- Infusion
- Mixing
- Representative Sampling

In today's highly competitive market ensuring the most controlled product fits within regulatory compliant packaging without clogging or residue is critical.



## Bulk Refining Services

### Material Analysis



- Evidence Business Case
- Pathway Evaluation
- Yield Estimation

We use science and data to drive decision making aligned with the quality attributes required to improve downstream production.

### Regulatory Compliance



- Homogeneous Process Control
- Chromatography purified
- No residual additives

Refining uses safe and industry standard indirect inputs as processing aides. Your production process must demonstrate uniform ( [Health Canada](#) [FDA](#) ) distribution to be compliant.

### Economies Of Scale



- High Capacity
- Fast Throughput
- Data Driven Automation

Our current facility is capable of refining large batches of raw material with quick turn around times. The faster we can get it back to you the faster its making you more money.

