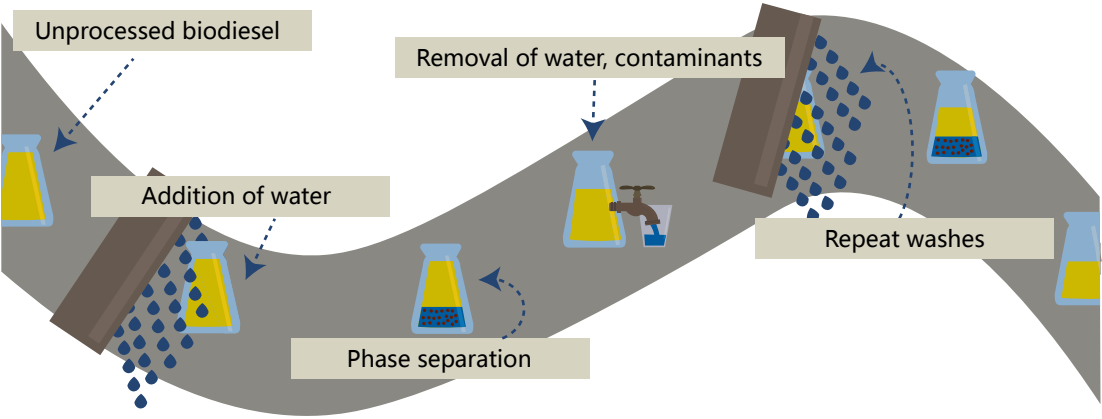


Water Washing Biodiesel

A Visual Guide

Process



Disadvantages

Complexity in recycling methanol

Emulsion risk

Waste water amounts



Advantages

Can handle high contaminant levels

No costly materials

Meets ASTM spec



Other purification techniques:

Ion Exchange Resins



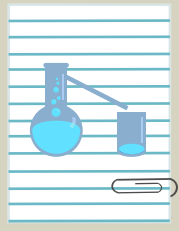
Ion exchange resins can be expensive, especially if a bed of them becomes overwhelmed and must be replaced.

Adsorbents



Adsorbents attract polar compounds. Methanol is usually removed prior. These are most effective for low soap concentrations at elevated temperatures.

Distillation



While becoming more popular, distillation loses 3-10% of the material and does not remove free glycerin.