

## Breaking Barriers: Overcoming Filtration Hurdles in Herbal Liqueur Production



### THE CUSTOMER

A renowned German producer of herbal liqueurs, known for high-quality recipes based on carefully selected natural herbs. They contacted Global Filter to remove the finest impurities and ensure consistent visual clarity and product purity.

### THE CHALLENGE

Due to the natural variability of the herbs used in the recipe, the customer occasionally observed haze in their liqueur. Although this phenomenon did not occur systematically, it was identified as a potential risk for product consistency and market quality perception. The existing filtration setup, based on filter sheets, was not always able to reliably remove these very fine impurities. The customer was therefore looking for a safe, robust, and easy-to-integrate filtration solution that could be added as a separate step to their process, without increasing operational complexity.

Their key requirements were:

- Reliable removal of haze-causing particles
- Consistent product purity
- Easy operation and integration into the existing production line
- A hygienic and safe filtration process suitable for beverage applications

### THE SOLUTION

Global Filter proposed a dedicated polishing filtration step using:

- AFS sanitary filter vessel, designed for hygienic beverage applications
- Polypropylene pleated filter cartridges PPO.2A30C7S, manufactured in Global Filter's plant in France.

This solution allows very fine filtration down to 0.2  $\mu\text{m}$ , efficiently removing the smallest suspended particles responsible for haze, while preserving the sensory properties of the liqueur.

The compact design of the AFS sanitary vessels made it easy to integrate the system into the existing production process. Cartridge change-out is simple and fast, ensuring smooth day-to-day operation with minimal operator intervention.

### THE RESULTS

With the new filtration system in place, the customer successfully:

- Established a safe and reliable filtration method within their production process
- Eliminated haze-causing fine impurities, even when raw material quality varies
- Achieved consistent clarity and purity of the herbal liqueur batch after batch
- Improved process reliability while maintaining ease of use and hygiene standards

### LOOKING AHEAD

The Global Filter solution provided the customer with confidence in their final product quality, enabling them to deliver a visually clear, premium herbal liqueur that meets their quality standards and market expectations.

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Global Filter is ready to collaborate with you to enhance your products and streamline the processes that fuel your success.

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