

## Food & Beverage

**Membrane filtration is widely used for concentration, fractionation and sterilization in food and beverage applications**

The extract industry faces continuously pressure to produce, invent and re-invent new products. MMS process development engineers can support your need to produce new products.

MMS microfiltration systems can be used for removal of bacteria and micro-particles and molecules like fibers and proteins to sterilize and clarify in one step. Submicron molecules and salts can be removed by ultrafiltration and nanofiltration technology. Concentration with reverse osmosis systems helps to save energy costs from evaporators.

*„Over 20 Years of Membrane Systems for Food & Beverage Industry“*



### Food & Beverage Applications

- Fruit colour enrichment
- Aroma recovery
- Gelatine clarification
- Gelatine & hydrolysate concentration
- Coffee extract concentration
- Beer de-alcoholization
- Soya milk de-bittering & concentration
- Yeast extract clarification & concentration
- Juice clarification & concentration
- Animal protein clarification & concentration



**MMS has over 20 years of experience in food and beverage applications and our customers benefit of several advantages:**

MMS are an innovative company who work closely with our customers and suppliers to create new or improved membrane based solutions.

Our customers speak and work directly with membrane specialists.

MMS have no alliances with specific membrane suppliers, we are free to select membranes and module types which best suit your process.

MMS have worked in various industries and hence know-how transfer allows for innovative solutions.

***„Membrane Technology can add major Advantages to your Product or Process“***



#### **Process Development:**

MMS is continuously improving existing applications as well as developing new solutions for food and beverage industry:

- Improve of beverage de-alcoholization
- Enable high concentration of food an beverage products
- Optimize of animal blood treatment
- Efficient colour fractionation
- Efficient aroma recovery

#### **Further Information**

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