



LIBRASORB[®] MX

DEPTH FILTER MEDIA FOR WINE TREATMENT

Description Depth filter media specifically designed to selectively reduce the concentration of unwanted off-flavor compounds associated with undesirable sensory attributes such as moldy, band-aid, medicinal, horsey, and barnyard and an astringed and metallic aftertaste.

Components Purified and bleached cellulose from sustainable sources, organic and inorganic filter aids, wet strength agent.

Formats

- All standard sheet sizes and tailored formats
- 12" and 16" lenticular modules
- LIBRACAP[®] MX Test Kit

| Grade | Retention rate [µm] | Water value ⁽¹⁾ [L/m ² ×min] | Thickness [mm] | Ash content [%] |
|-------|---------------------|--|----------------|-----------------|
| MX | 0.8 – 3.0 | 173 – 461 | 3.8 – 4.2 | 19.0 – 23.0 |

⁽¹⁾ Δp = 100 kPa, the indicated water value is not related in any way to the actual filtration flow rate.

| Parameter | Recommendation |
|--|--------------------------------|
| Maximum differential pressure | 1.5 bar / 21 psi |
| Operating flow rate | Max. 150.0 L/m ² /h |
| Water rinsing volume | 50 L/m ² |
| Indicative volume of wine treated ⁽²⁾ | 300 L/m ² |
| Sterilization | Water 85 °C / Steam 125 °C |

⁽²⁾ The treated volume might vary depending on the wine structure and undesired phenols concentration.

NOTE: Small scale trials would guide to define the best volume per m² for each specific wine.

| Substance | [%] | °C | | Substance | [%] | °C | | Substance | [%] | °C | |
|-------------------------------|-----|----|----|--------------------------------|------|----|----|-----------------|------|----|----|
| | | 20 | 80 | | | 20 | 80 | | | 20 | 80 |
| NaOH | 1.0 | r | r | HCl | 5.0 | r | lr | SO ₂ | 0.1 | r | - |
| NaOH | 2.0 | r | lr | HNO ₃ | 5.0 | r | lr | Acetic acid | 20.0 | r | r |
| H ₂ O ₂ | 1.0 | r | lr | H ₂ SO ₄ | 10.0 | r | lr | Ethanol | 80.0 | r | r |
| Peracetic ac. | 1.0 | r | lr | Citric acid | 10.0 | r | r | Butanol | 80.0 | r | r |

r = resistant, lr = limited resistance. This table is for guidance purposes only.

Quality Assurance

Certified to:

- ISO 9001 (quality management)
- ISO 14001 (environmental management)
- ISO 22000 (food safety)

Compliant to:

- Recommendation XXXVI/1 of the German Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR)
- FDA (US Food and Drug Administration) 21 CFR 177.2260 e-k

Packaging and Storage Filter sheets are hygienically shrink-wrapped and packaged in cardboard boxes. Filter modules are hygienically packed in plastic bags and placed in cardboard boxes. They must be stored in their original packaging in a dry, odorless and well-ventilated area. They should be used within 60 months from the date of manufacture.

Disposal The respective official regulations for disposal must be followed depending on the filtered product. Untaminated modules can be disposed of as non-hazardous waste.

Remarks The validity of the information cannot be guaranteed for every application. All information is based on current knowledge and does not claim to be complete. No liabilities can be derived from this information. FILTRIX reserves the right to make changes in the course of technical improvements.