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Removal of Intra- and Extracellular Microcystin by Submerged Ultrafiltration (UF) Membrane Combined with Coagulation/Flocculation and Powdered Activated Carbon (PAC) Adsorption

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Highlights

- Coagulation/flocculation did not lead to an appreciable removal of microcystin.
- PAC adsorption was able to achieve 84% of total microcystin removal.
- Microcystin removal was 69.4% and 74.8% by PES-5 kDa and PES-10 kDa UF membrane.
- Advanced treatment process successfully removed more than 94% of total microcystin.
- Advanced treatment process successfully used for total microcystin removal.

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