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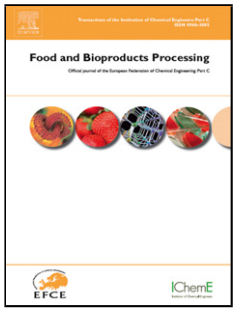

Title: Gum arabic fractionation using synthetic membranes: The importance of fouling

Author: Harriet E. Manning Michael R. Bird

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Highlights:

- Fractionation of gum arabic using flat sheet polymeric microfiltration membranes is shown
- 0.1 μm membranes demonstrate very good rejection of the highest molecular weight AGP fraction but with low overall transmission of the lower MW species
- 0.8 μm membranes give better solids transmission and good fractionation after several cycles
- Effective membrane cleaning was achieved using a 0.5wt% sodium hydroxide solution at 40C.

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