Electronic Supporting Information (ESI)

Four-Fold Concentration of Sucrose in Sugarcane Juice through Energy Efficient Forward Osmosis using Sea Bittern as Draw Solution

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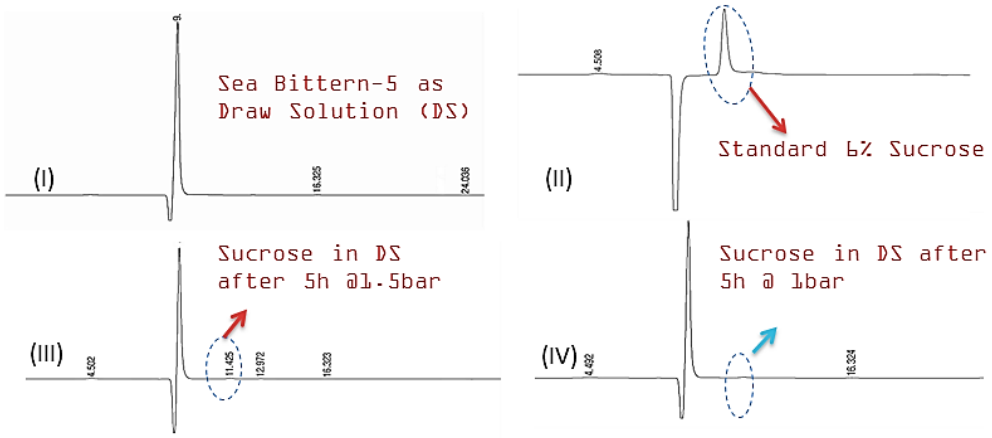

Figure S1. HPLC chromatograms of (I) initial draw solution, (II) 6% sucrose solution used as feed solution, (III) draw solution after 5 h of run at room temperature and 1.5 bar pressure on feed side, and (IV) draw solution after 5 h of run at room temperature and 1 bar pressure on feed side.

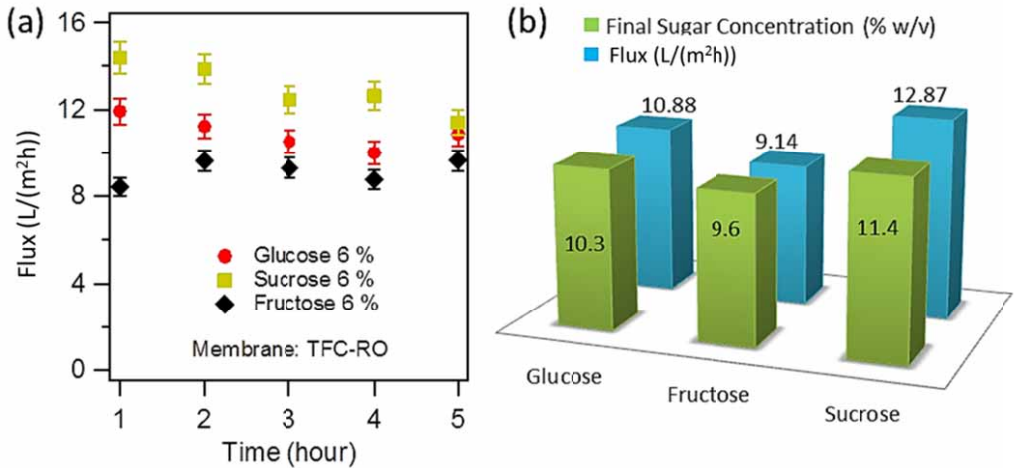

Figure S2 (a) Plots of flux versus time during FO (room temperature, 1 bar applied pressure) of different sugar solutions (6% glucose, 6% sucrose, 6% fructose) at TFC polyamide membrane using B4 as draw solution; **(b)** Average flux (L/(m^2h) and final concentration (%w/v) of sugar in feed solution after 5 **h** of FO run.

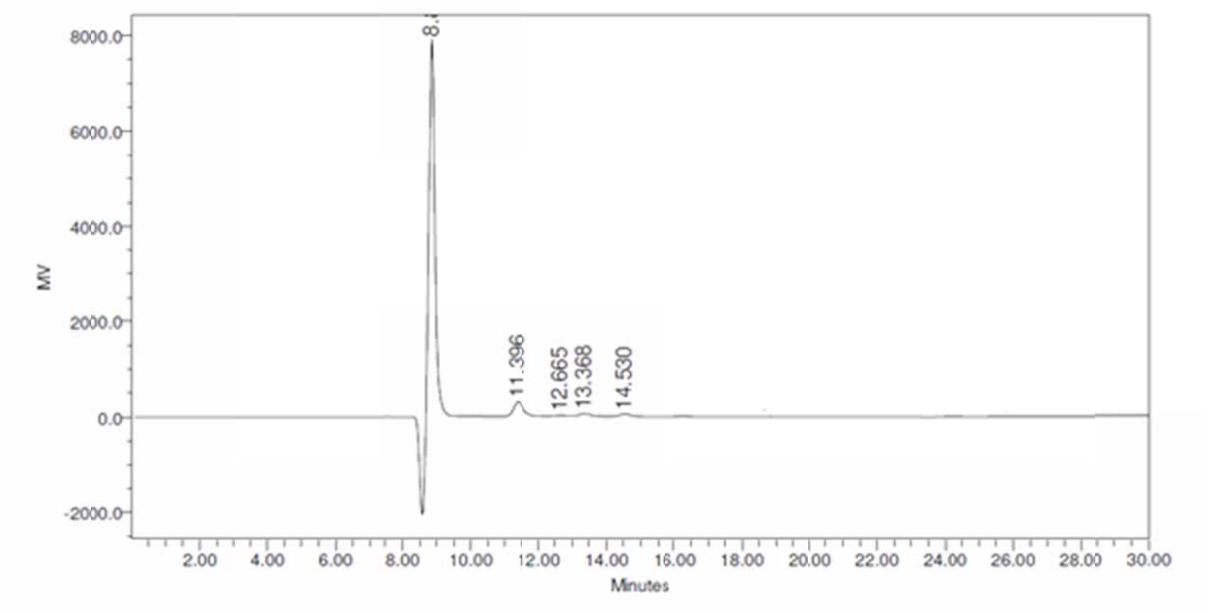

Figure S3. HPLC chromatogram of diluted draw solution B2 after FO run at 1 bar applied pressure and room temperature using clarified sugarcane juice as feed solution.