역삼투 판틀형 모듈을 이용한 Cu(Ⅱ), Zn(Ⅱ)의 분리 및 농축특성 비교

이광현*
동의대학교 화학공학과
(khlee@dongeui.ac.kr*)

The characteristics for the separation and concentration process of Cu(Ⅱ), Zn(Ⅱ) solution was discussed with the variation of applied pressure and concentration using reverse osmosis plate and frame modules in this study. Rejection coefficient and degree of concentration of Cu(Ⅱ) component using single and multi-stage reverse osmosis plate and frame type modules were showed 96 ~ 98%, 0.044 ~ 0.191(in single-stage), 96 ~ 98%, 0.400 ~ 2.264(in multi-stage). Rejection coefficient and degree of concentration of Zn(Ⅱ) component were 93~ 97%, 0.019 ~ 0.395(in single-stage), 96 ~ 98%, 0.365 ~ 1.454(in multi-stage).