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(54) Title: PROCESS FOR RECOVERY AND PURIFICATION OF LACTIC ACID

(57) Abstract: The present invention relates to a process for recovery and purification of lactic acid from a fermentation broth containing lactic acid. The process comprises subjecting the fermentation broth to ultrafiltration and/or microfiltration to form a first permeate, concentrating the first permeate to form concentrated broth, subjecting the concentrated broth to supported liquid membrane for extraction of lactic acid into a separate stream, subjecting the extracted lactic acid solution to activated carbon for removal of colour, subjecting the extracted lactic acid solution to cation exchange resin for demineralization, subjecting the extracted lactic acid solution to anion exchange resin for removal of anionic impurities and concentrating the extracted lactic acid solution to desired concentration. The supported liquid membrane of the present invention contains an organic layer that comprises a carrier, a co-extractant, a diluent and a stabilizer.

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