

1                                    ABSTRACT OF THE DISCLOSURE

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3            A process for recovery and purification of an organic acid from a fermentation

4    broth containing a salt form of the organic acid, comprises the steps of subjecting the

5    fermentation broth to one of ultrafiltration and microfiltration to form a first permeate,

6    concentrating the first permeate to form a concentrated broth, subjecting the

7    concentrated broth to a supported liquid membrane for extraction of lactic acid into a

8    separate stream comprising an extracted solution, subjecting the extracted solution to

9    activated carbon for colour removal, a cation exchange resin for demineralization, and

10   an anion exchange resin for removal of anionic impurities to form a post polished

11   organic acid, filtering the post polished organic acid to remove impurities above a

12   predetermined threshold and concentrating the post polished organic acid to a desired

13   concentration.

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15   Fig. 1.