Ácido láctico: Una revisión sobre los métodos de determinación y purificación [

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Analítica

The use of polymers derived from petroleum, although it has improved the quality of life, has a considerable environmental impact. This has led to the search for alternatives to replace these polymers using renewable sources and keeping in mind that oil reserves are limited. Among the precursors of biodegradable polymers is lactic acid, which can be obtained by chemical synthesis or by fermentation of renewable raw materials, the latter option being the most used, but it is difficult to recover and purify due mainly to impurities that It contains the raw material and the products of cell breakdown. Due to the importance in the lactic acid industry, this review focuses on the different separation techniques: the most used and the most modern ones, emphasizing ion exchange chromatography for its efficiency. Also, an exploration of the methods of quantification of the same one is made highlighting the enzymatic ones by his low cost, good sensitivity and reproducibility
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