

Technical Tuesdays

REF:TT/ November 2010/ WK3

OBA STRIPPING PROCESS

A simple OBA stripping process given below can be adopted in jiggers very efficiently and can strip off almost 98% of OBA.

Recipe and method of process flow given below may be used as hint

a) Oxidative Bleaching:

option-1:

Potassium Permanganate (KMnO₄) - 0.5% owf at cold for 30 minutes - to the same bath add Hydrochloric acid (35% conc.), 3 times the quantity of KMnO₄ continue run for another 30 minutes. Then raise the temperature to 50°C and run for 30 minutes.

Drain the bath - cold wash - 30 minutes.

option-2:

Potassium Permanganate (KMnO₄) - 0.5% owf at cold for 30 minutes - to the same bath add Hydrochloric acid (35% conc.), 3 times the quantity of KMnO₄ continue run for another 30 minutes. Then raise the temperature to 50°C and run for 30 minutes followed by addition of Sodium bisulphate-2-3% run for 30 min

Drain the bath - Neutralise - cold wash - 30 minutes.

b) Reductive Bleaching:

Run 10 minutes with Caustic soda 5 gpl followed by addition of 5 gpl of Hydros at room temperature and run for 10 minutes. Then slowly raise the temperature to 60°C. Followed by cold wash.

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