

Production of semi- refined carrageenan from *Eucheuma cottonii*.

ABSTRACT

This study presents alkaline extraction of red seaweed, *Eucheuma cottonii*, to yield semi-refined carrageenan (SRC) of kappa type. Temperatures 60-80°C were suitable for extraction of SRC. At 80°C using 1.0 M KOH, produced SRC contained the highest purity of 3, 6-anhydrogalactose, a lower heavy metal concentration and gave highest rupture force.

Keyword: *Eucheuma cottonii*; Extraction; Potassium hydroxide; Semi-refined carrageenan (SRC).