

Isolation and characterization of phospholipids from krill (*Euphausia superba*) residues extracted by supercritical carbon dioxide

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Isolation of phospholipids (PL) from the Antarctic krill (*Euphausia superba*) using two step extraction process has been investigated. Using supercritical carbon dioxide (SCO₂) extraction, with optimal conditions among the range applied of 45°C and 25 MPa ; most of the neutral lipids were extracted. phospholipids (PL) were then isolated in a second step conducted with modified existing method using ethanol as solvent. The Isolated PL was characterized by their fatty acids, acid value and peroxide value. The isolated PL was analyzed by HPLC-ELSD.