

Study of the molecular recognition of A Neutral Carrier used as All-Solid-State of Electrode to nitrate Estudio del reconocimiento molecular de un portador móvil neutro usado como electrodo all solid state a nitrato

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In this work an ESI is valued of the plasticized liquid membranes with 1-furoyl 3,3 diethylthiourea as ionophore (neutral portadore), tributyl phosphate as plasticizer and poly(vinyl chloride) as matrix on a sensitive conductive support to lead and nitrate (to this I finish once out the time gives life of the gives the ESI to lead). By the same payee is manifested two mechanisms he gives very effective answer. The ESI Pb^{2+} present e linear response in the concentration range of the 10^{-6} - 10^{-3} mol/dm³, with slopes of 29.6 mV/decade, response time obtained was less than 20 seconds. By NO_3^- of the overNersnts slopes of de -63.14 mV/decade and response time 20 seconds. Their parameters are presented calibration, as well as the electron microscopy gives Sweeping of the membranes he gives the sensitive ESI to the cation lead (II) and seen he gives this when it loses its sensibility to this ion and he/she begins to respond to its primary second for a second mechanism of the gives answer. The I