ABSTRACT

The purpose of this research is to know the ability of Natrium Dietil Dithiocarbamate (NaDDC) as one of metal chelating compound, in this case the metal is Pb(II), with extraction method using Metil Isobutil keton (MIBK) as solvent by Atomic Absorption Spectrophotometric (AAS). Parameter that in use is determination of pH’s optimum and the variation between NaDDC’s volume and the concentration of Pb (the comparison of mmol NaDDC:Pb). According to this research, we can conclude the optimum of pH can be reach at pH 3 with percent extraction (%E) 103,76%. The value of percent exraction (%E) Pb optimum for all of Pb’s concentration are happen at the addition of NaDDC’s volume 1 % 2,5 ml or the comparison’s value of mmol NaDDC:Pb minimum 460 to get %E higher (> 80%).