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# Selective Extraction and Separation of Titanium(IV) from Multivalent Metal Chloride Solutions Using 2-Ethylhexyl Phosphonic Acid Mono-2-ethylhexyl Ester

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extraction of titanium(IV) with EHEHPA was investigated and found that the extraction

efficiency varies in the order: chloroform<benzene~toluene<xylene<kerosene. IR spectral studies of the extracted complex were used to further clarify the nature of extracted complex. The separation possibilities of titanium(IV) from other associated multivalent metal ions, that is, magnesium(II), aluminum(III), vanadium(V), chromium(III), manganese(II), and iron(III), which are associated with titanium in the waste chloride liquors of titanium minerals processing industry was discussed.

Keywords: Selective extraction Separation Titanium(IV)  
2-Ethylhexyl phosphonic acid mono-2-ethylhexyl ester Multivalent metal chlorides Titania wastes

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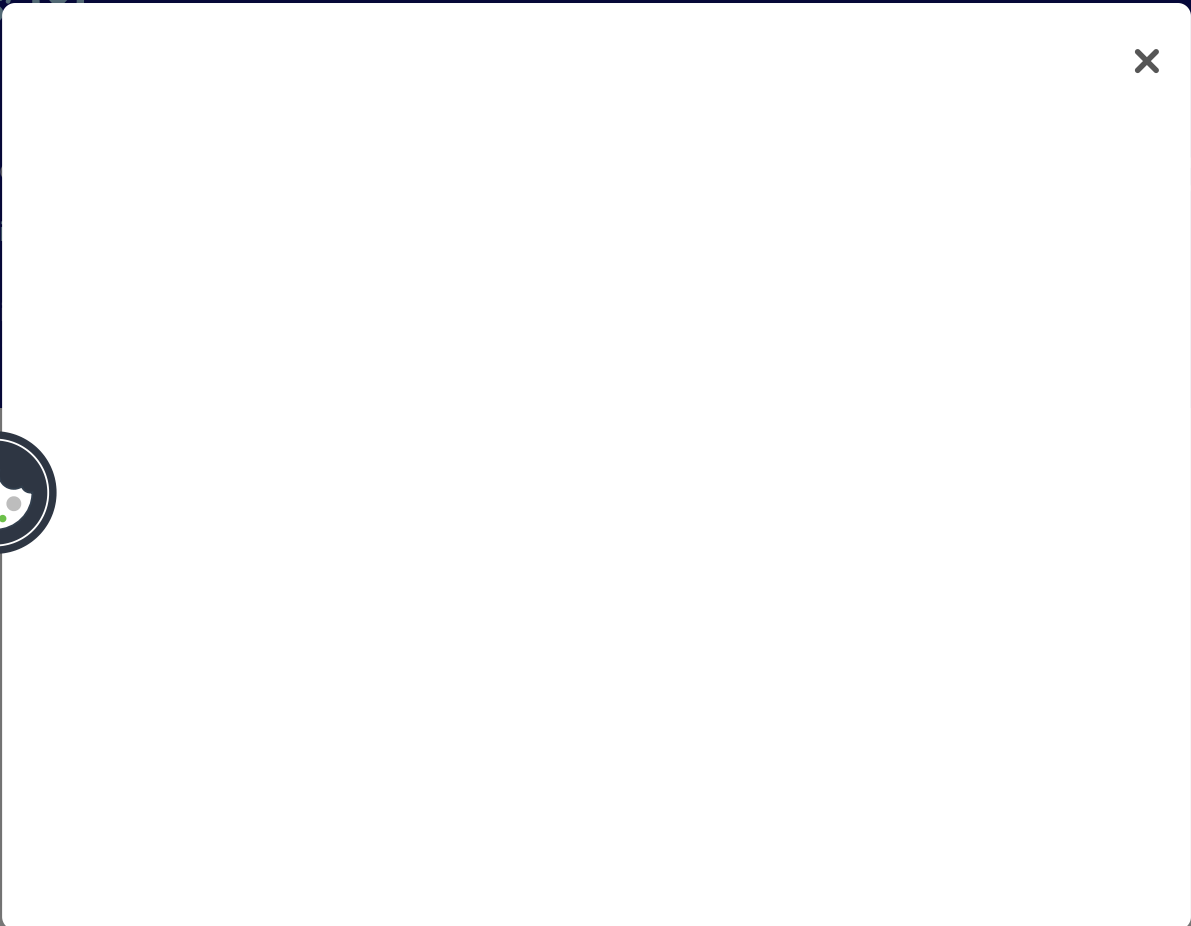
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