

A method for producing titanium tetrachloride comprises preparation of charge based on titanium slag, carbon-containing reducer and chlorides of alkaline and/or alkaline-earth metals, chlorination thereof in the melt with subsequent condensation and combined purification of the obtained product with withdrawing of low-boiling distillate. In the charge preparation as carbon-containing reducer the solid waste of by-product coking production – coke fines is used. The content of chlorides of alkaline and/or alkaline-earth metals in the charge is maintained in the range of 15-18 % by weight. The low-boiling distillate is withdrawn at an amount of not less than 3 % of mass of original titanium tetrachloride.