

The invention relates to metallurgy of noble metals, in particular to the obtaining of pure metals and alloys of platinum groups. The proposed method for refinement of noble metals of platinum group, comprising: at the first stage – the chlorination by gaseous chlorine by means of chloride plasma at temperature of 1900-2050 °C and soaking, which provides the removal of non-noble metals and its oxides as volatile chlorides, and at the second stage – the plasma zone smelting. The invention provides the increase of metal content in final product, decrease of effort and reduction of time of required for refinement process.