ABSTRACT

Now-a-days a great interest is being developed to explore the vastness of analytical chemistry of Platinum-Group Metals and Gold because of there massive introduction in catalytic industry and medicines. Apart from this presence of Platinum-group metals in environment is also disturbing living standards. For that purpose a very simple, rapid, sensitive and easy to use method is being elaborated. Gold and platinum were determined in hydrochloric acid solutions. For Platinum the absorbance was measured at 260 nm and for Gold absorbance was measured at 540 nm. Limit of detection was 4.7×10^{-7} and correlation coefficient was $r = 0.99$. Moreover, this method was successfully applied with organic reagents also.