

EXPERIMENT : 33

PART A

PREPARATION AND ANALYSIS OF A COORDINATION COMPOUND
: POTASSIUM TRISOXALATOFERRATE (III)

DATA AND OBSERVATIONS

Name(s) : _____ Date : _____

Class/Section : _____ Instructor : _____

Part A. Preparation of $K_3[Fe(C_2O_4)_3] \cdot 3H_2O$ (first week)

Mass of ferrous ammonium sulfate hexahydrate = 5.00 g
Volume of 1 M oxalic acid = 30.0 mL

Part B. Analysis of Oxalate in $K_3[Fe(C_2O_4)_3] \cdot 3H_2O$ (second week)

Preparation of potassium permanganate

Mass of potassium permanganate used =

Standardization of potassium permanganate

Mass of beaker + sodium oxalate =

Mass of empty beaker =

Initial buret reading =

Final buret reading =

Volume of potassium permanganate added =