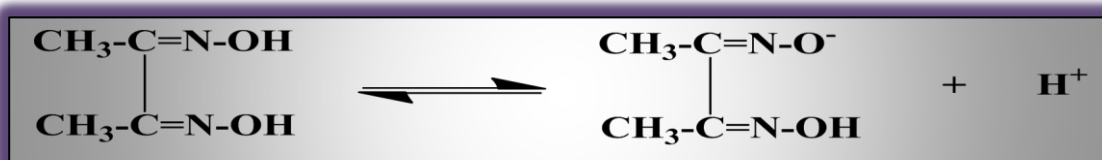


Experiment NO. 3

Determination of Nickel as Dimethyl glyoxime complex.

Q1- What are DMG properties? And why it is used as a precipitating factor?

1- Selective Reagent 2 - Complicate Complexes 3 - Low Organic Acid 4 - Ionize and lose proton as in equation



It is used so far as a precipitating agent because it gives a large gravimetric factor

Q2- What are Ni (DMG)₂ specifications?

1. Red color
2. Very low solubility in water
- 3 - can be drying at a temperature (110 - 120⁰ C)
4. Dissolves in diluted mineral acids

Q3- Add dilute hydrochloric acid?

To complete the sample dissolution.

Q4- Why was a precipitate process of Ni (DMG) 2 in the base medium?

This is because the precipitate agent works to precipitate nickel only in the base medium. In the acid medium, the precipitating agent acts on the precipitate of a group of ions except nickel, such as palladium

Q5- What is the chemical composition of the Ni (DMG)₂ precipitate?

