

PHARMACEUTICAL ANALYSIS – BP102T

UNIT: IV REDOX TITRATIONS

CLASS:36

TOIPC: **IODOMETRY/IODIMETRY****IODOMETRY/IODIMETRY:**

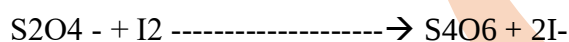
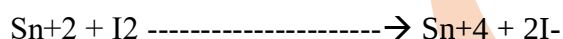
Both the types of reactions come under oxidation and reduction reaction.

In both cases iodine is acting as a mild oxidizing agent, and oxidizes other substances and undergo reduction.

Iodometry indicates using of iodine from other sources.

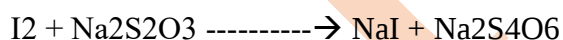
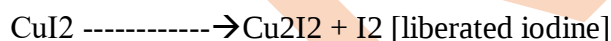
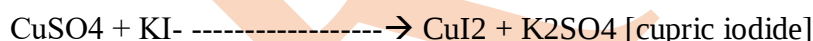
The liberated iodine is titrated with standard solution.

In other hands iodimetry type of titration involves by using of direct iodine where iodine is reduced to iodide and that iodide is titrated against standard solution



In iodimetry type of titration:

iodide form is converted into iodine and that iodine is titrated with standard titrant.

**Applications for Iodimetry:**

It is used to determine ascorbic acid It is used determine stannous chloride, sodium Thio sulphate and arsenious oxide

Applications for Iodometry.

It is used to determine KMnO_4 , H_2O_2 , CuSO_4 , KIO_3

Very Short Answer Questions

1. Define iodometry
2. What are the differences between iodimetry and iodometry

Short Answer Questions

1. Explain in detail about iodimetry and iodometry and its applications.

RAGHU COLLEGE OF PHARMACY