Safety

Lab coats, safety glasses and enclosed footwear must be worn at all times in the laboratory.
Concentrated sulfuric acid is highly corrosive – wear rubber gloves and take care when handling. It will burn your skin, and leave a stain on your skin for some days. If you do splash some on your skin, wash it well with cold running water IMMEDIATELY. Make sure your teacher is told about it. Also, be careful of your clothes, as acid will burn holes in them. When diluting into water, ALWAYS dilute acid into water, and never add water to acid. When you heat your solutions with sulfuric acid, there is a chance that the flask could break. Make sure you have water ready to clean any spills. Your teacher or laboratory supervisor should be with you at all times when you are doing this.

250l

250l 100l

(50- 0)

(see safety notes)

(4) 24 4 2

( )

(4 2 4

Sample Preparation

1. 50

2. 250l 50l

0. 5 5l

3. 10 200l

/ 30l

4. 3

Preparation of standard

1. 300 0.220 500 10 200, 250, 500 15, 12, 3 15 4.5
2.

Preparation of Complex

1. 5 100 500 10 (see safety notes). 15 500
2. 10 150 20 2 (/)

Colorimetric Analysis

50
1. 50 ( )]
2. (3)
3.

1. (-) (-).
2.