

Appendix A
Preparation of Reagent

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-Preparation Molish's reagent

5 g of α -naphthol dissolve in 95% ethanol 100 ml.

-Preparation Benedict's reagent

86.5 g of sodium citrate mixed 50 g sodium carbonate dissolve and make up to 450 ml warm water (solution A). And weight 8.9 g copper II sulfate dissolve in 50 ml distilled water (solution B). Then mix solution A and solution B.

-Barfoed's reagent

0.25 g Resocinol dissolve and make up to 500 ml 6 N HCl

-Bial' reagent

1.5 g Orcinol dissolve and make up to 500 ml HCl and then add 1 ml of 10% ferric chloride.

-Ninhydrin reagent

0.1 g Ninhydrin dissolve in 100 ml distilled water.

-10% Sodium hydroxide

5 g Sodium hydroxide dissolve in 50 ml distilled water.

-40% Sodium hydroxide

20 g Sodium hydroxide dissolve in 50 ml distilled water.

-Modified Milon's reagent

7.44 g mercuric sulfate dissolve in 50 ml 6 N H_2SO_4 .

-Hopkin-cole's reagent (Glycoxylic acid)

50 ml of 5% Magnesium chloride (2.5 g MgCl_2 dissolve in 50 ml distilled water) mix 50 ml of Oxalic acid (10 g Oxalic acid dissolve in 50 ml distilled water).

-0.5% CuSO_4 (50 ml)

0.25 g $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ dissolve in 50 ml distilled water.

-1% NaNO_2 (50 ml)

0.5 g Sodium nitrite dissolve in 50 ml distilled water.

-Sakagushi's reagent (50 ml)

0.05 g α -naphthal dissolve in 50 ml absolute ethanol.

-Bromine water (50 ml)

2 drop of Bromine dissolve in 50 ml distilled water.