

# MIRROR JET 2

233/3 – CHEMISTRY - CONFIDENTIAL

## Apparatus

1. Burette
2. Pipette
3. 2 boiling tubes – Pyrex/ Borosil
4. Glass rod
5. Thermometer
6. 250ml volumetric flask
7. 1 label
8. 2 conical flasks
9. Funnel
10. Metallic spatula
11. Filter paper
12. Clamp and stand
13. 6 test tubes

## Reagents

1. 4g of solid P
2. 100cm<sup>3</sup> of solution Q
3. 500ml distilled water
4. About 1.0 g of solid K
5. About 0.5 g of solid L
6. 10ml of 2M nitric (V) acid

## Access to

- i. Source of heat
- ii. Phenolphthalein indicator
- iii. 2M sodium hydroxide solution
- iv. 2M ammonia solution
- v. Bromine water
- vi. Acidified barium nitrate
- vii. Acidified potassium manganate (VII)

## NOTES

1. Solution Q is 0.2M sodium hydroxide solution (8g/l)
2. Solid P is ethanedioic acid (Oxalic acid)
3. Solid K is a mixture of hydrated sodium sulphate and zinc oxide in ratio 1: 1
4. Solid L is maleic acid