



Flame Test Chemical Kit With Accessories

Instructions

To perform the test, place a powdered sample of the chemical on the nichrome wire loop and place in the hottest portion of the flame. To burn the magnesium, snip off a short segment and place on the nichrome loop wetted with alcohol. Hold in flame until it ignites.

Be sure to clean the wire loop well by dipping in alcohol between samples so no residue etc. interferes with the true colour of the flame during the test.

For **SAFETY**, wear chemical splash goggles and a lab apron as well as protective gloves.

Young children/teenagers should only perform the experiment under adult supervision.

Compare the flame colours with the following:

- Strontium Chloride Hexahydrate – Burns **RED**
- Sodium Carbonate Anhydrous – Burns **YELLOW**
- Copper (II) Sulphate Pentahydrate – Burns **GREEN**
- Potassium Chloride – Burns **VIOLET**
- Copper (II) Chloride Dihydrate – Burns **BLUE**
- Magnesium Ribbon – Burns **WHITE**