

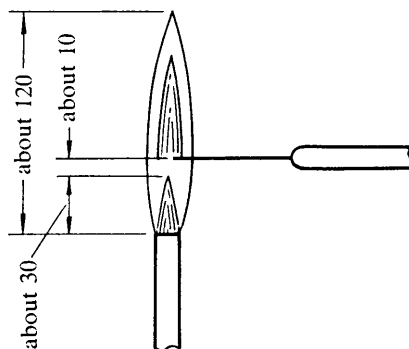
B. GENERAL TESTS

Flame Coloration Test

The Flame Coloration Test is designed to detect a certain type of element by means of the property that the element changes the normally colorless Bunsen burner flame to a characteristic color.

Procedure Use a straight platinum wire about 0.8 mm in diameter for the test. In the case of a solid sample, make it into a gruel-state by adding a small quantity of hydrochloric acid. Apply a small amount of the sample to the end of the platinum wire to a length of about 5 mm from the end, and test immediately by putting the end into a colorless flame, keeping the platinum wire horizontally. In the case of a liquid sample, immerse the end of the platinum wire into the sample to about 5 mm below the liquid surface, take it out of the sample gently, and perform the test in the same manner as for the solid sample.

The description, " the flame coloration reaction persists, " means that the reaction persists for 4 seconds.



(Unit: mm)