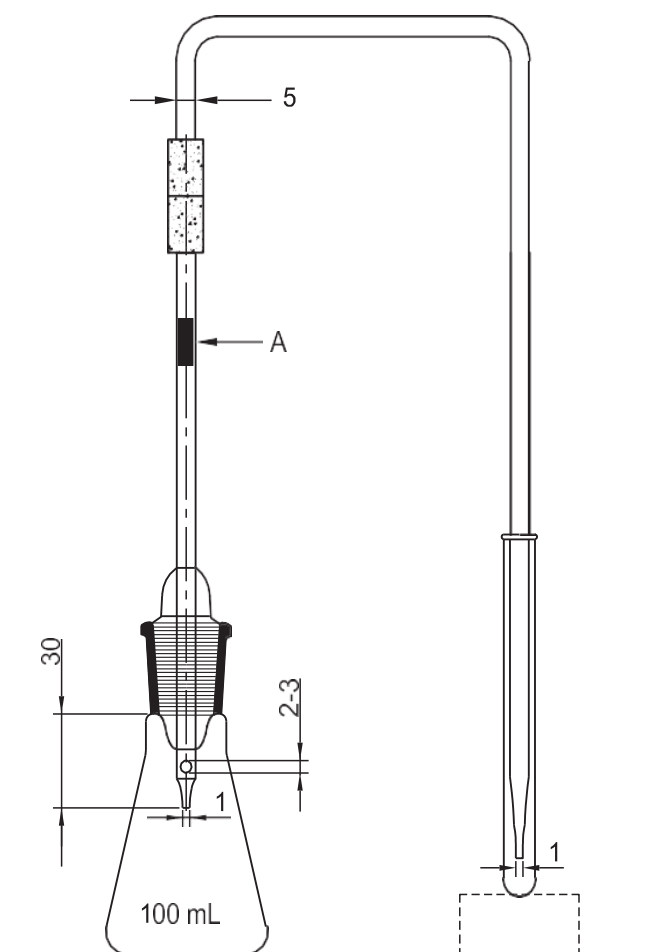


2.4.2. ARSENIC

METHOD A

The apparatus (see Figure 2.4.2.-1) consists of a 100 mL conical flask closed with a ground-glass stopper through which passes a glass tube about 200 mm long and about 5 mm in internal diameter. The lower part of the tube tapers to an internal diameter of 1 mm, and about 20 mm from its tip is a lateral orifice 2-3 mm in diameter. When the tube is in position in the stopper, the lateral orifice is at least 3 mm below the lower surface of the stopper. A second glass tube of the same internal diameter is connected to the first tube. The second tube is bent twice at right angles and the free end of the tube tapers to an internal diameter of 1 mm. This end is immersed in a test-tube containing 3.0 mL of silver diethyldithiocarbamate solution R. Other suitable equipment may be used. Into the first tube insert 50-60 mg of lead acetate cotton R, loosely packed, or a small plug of cotton and a rolled piece of lead acetate paper R weighing 50-60 mg.



A. Lead acetate paper/cotton

Figure 2.4.2.-1. – Apparatus for the limit test for arsenic (method A)
Dimensions in millimetres