

*the fused bead. No water (or merely traces) evolved by ignition in the bulb-t. be.*

*Asbestus* ( $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{SiO}^2$ ).

*Krokidolite* ( $\text{Na}^2\text{O}$ ,  $\text{H}^2\text{O}$ ,  $\text{MgO}$ ,  $\text{FeO}$ ,  $\text{SiO}^2$ ).

*Lepidolite* ( $\text{K}^2\text{O}$ ,  $\text{Na}^2\text{O}$ ,  $\text{Li}^2\text{O}$ ,  $\text{MnO}$ ,  $\text{Al}^2\text{O}^3$ ,  $\text{SiO}^2$ ).

*Muscovite* ( $\text{K}^2\text{O}$ ,  $\text{Al}^2\text{O}^3$ ,  $\text{SiO}^2$ ).

*Phlogopite* ( $\text{K}^2\text{O}$ ,  $\text{MgO}$ ,  $\text{Al}^2\text{O}^3$ ,  $\text{SiO}^2$ ).

*Biotite* ( $\text{K}^2\text{O}$ ,  $\text{MgO}$ ,  $\text{Al}^2\text{O}^3$ ,  $\text{Fe}^2\text{O}^3$ ,  $\text{SiO}^2$ ).

*Margarite* ( $\text{H}^2\text{O}$ ,  $\text{CaO}$ ,  $\text{Al}^2\text{O}^3$ ,  $\text{SiO}^2$ ).

*Talc* ( $\text{H}^2\text{O}$ ,  $\text{MgO}$ ,  $\text{SiO}^2$ ).

*Steatite* (compact Talc).

As regards structural characters, the minerals of this group fall under the following sections: i. Fibrous (*Asbestus*, *Krokidolite*); ii. Compact-scaly (*Lepidolite*); iii. Foliated or scaly (*Muscovite*, *Phlogopite*, *Biotite*, *Margarite*, *Talc proper*); iv. Compact (*Steatite*).

*Asbestus* and *Krokidolite* are at once distinguished by their occurrence in soft, flexible, fibrous masses, more or less resembling floss-silk. *Asbestus* is chiefly light-green, white or greyish in colour. Thin fibres fuse easily into a colourless or pale-greenish glass. *Krokidolite* or *Crocidolite* is of a deep-blue or lavender-blue colour, and is readily fusible into a black magnetic bead.

*Lepidolite* (known likewise as *Lithionite* and *Lithia Mica*) occurs essentially in masses of a pink or reddish-grey colour, made up of an aggregation of minute pearly scales, and is readily distinguished by the vivid crimson colour which it imparts to the blowpipe-flame. It melts very easily, with