

Analyses of
"Dressed
graphite."

6. *Dressed Graphite.*

Grade known as "A 1."—Designed employment: lubricating, pencils, pianos.

After drying at 100° C. this specimen was found to contain:

Ash per cent..... 5.143.

Colour of the ash reddish-brown; a portion placed on moist turmeric paper manifested an alkaline reaction. The ash contained a little mica.

Hydrochloric acid dissolved out of this graphite a considerable quantity of iron, alumina, lime and magnesia, especially of the first named; no other constituents were sought for. This graphite contains some calcite.

7. *Dressed Graphite.*

Grade known as "A 2."—Designed employment: lubricating, pencils, paints, powder, shot.

After drying at 100° C. this specimen was found to contain:

Ash per cent..... 10.737

Colour of the ash reddish-brown; a portion placed on moist turmeric paper manifested an alkaline reaction. The ash contained a little mica.

Hydrochloric acid dissolved out of this graphite a considerable quantity of iron, alumina, lime and magnesia, especially of the first named; no other constituents were sought for. This graphite contained some calcite.

8. *Dressed Graphite.*

Grade known as "A 3."—Designed employment: crucibles, lubricating.

After drying at 100° C. this specimen was found to contain:

Ash per cent..... 7.645

Colour of the ash reddish-brown; a portion placed on moist turmeric paper manifested an alkaline reaction. The ash contained mica.

Hydrochloric acid dissolved out of this graphite a considerable quantity of iron, alumina, lime and magnesia, especially of the first named; no other constituents were sought for. This graphite contained some calcite.

9. *Dressed Graphite.*

Grade known as "A 4."—Designed employment: crucibles, lubricating.

After drying at 100° C. this specimen was found to contain:

Ash per cent..... 5.696