

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

Analyses of
"Dressed
graphite."

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.

10. *Dressed Graphite*

Grade known as "A 5."—Designed employment: crucibles, lubricating. After drying at 100° C. this specimen was found to contain:

Ash per cent. 4.407

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.

11. *Dressed Graphite.*

Grade known as "A 6." Designed employment: crucibles, lubricating.

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

Ash per cent. 3.638

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.

12. *Dressed Graphite.*

This sample was also received from the works of the Dominion of Canada Plumbago Company.

The grade was not specified. It was prepared from material from the same bed of "disseminated graphite" as the preceding samples. The results of its analysis are given, not with the object of showing its degree of purity, but as illustrative of the beneficial results attendant upon the employment of hydrochloric acid in the final stage of preparation of these "dressed graphites."

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

Ash per cent. 13.152