

The fracture is imperfect and flat conchoidal, which passes into uneven.

The fragments are indeterminate angular, and sharp-edged.

It sometimes occurs in curved lamellar distinct concretions.

It yields readily to the knife.

In the streak, neither colour nor lustre is changed.

It is brittle.

It is uncommonly heavy.

Specific gravity, 6.3785, *Guyton*; 6.5304, *Hauy*; 7.500, *Klaproth*.

#### *Chemical Characters.*

It is completely infusible, without addition, before the blowpipe. With soda or borax it forms a grey, muddy, slaggy-like globule; with phosphoric salts a transparent green bead. It dissolves imperfectly in sulphuric and muriatic acids; but it is nearly completely dissolved in nitric and nitro-muriatic acids; and from this solution, which has a pale orange yellow colour, the uranium is precipitated brownish-red by prussiate of potash, and yellow by the alkalies.

#### *Constituent Parts.*

	Joachimsthal.
Oxide of Uranium,	86.5
Black Oxide of Iron,	2.5
Galena or Lead-glance,	6.0
Silica,	5.0

*Klaproth*, Beit. b. ii. s. 221.

*Geognostic*