

It is brittle.

Specific gravity 4.988, *Cronstedt*. 4.660, *Klaproth*.
4.619 and 4.489, *Hisinger* and *Berzelius*.

Chemical Characters.

It is infusible before the blowpipe; but when pulverised and heated, its colour changes from grey to yellow.

Constituent Parts.

Oxide of Cerium,	54.50	67
Silica, -	34.50	17
Oxide of Iron,	3.50	2
Lime, -	1.25	2
Water, -	5.00	and Carbonic Acid, 12
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	98.75	100

Klaproth, *Beit.*
b. iv. s. 147.

Vauquelin in *Annal.*
d. Mus. t. v.
p. 412.

Geognostic and Geographic Situations.

It occurs in a bed of copper-pyrites, along with bismuth-glance, or sulphuretted bismuth, molybdena, wolfram? hornblende, actynolite, and mica. The bed is situated in gneiss near Riddarhytta in Westmannland in Sweden.

Observations.

The peculiar metal which characterises this order, was first detected by *Hisinger* and *Berzelius*, who bestowed on it the name Cerium, from the planet Ceres, discovered by *Piazzi*.

2. Allanite.