

Holmium (Ho)

Atomic number: 67

Atomic mass: 164.930

Description: The name is derived from Latin name for Stockholm, 'Holmia'.

Discovered by: Per Teodor Cleve at Uppsala, Sweden and independently by Marc Delafontaine and Louis Soret in Geneva, Switzerland in 1878.

Properties:

Melting point: 1745K

Boiling point: 2973K

Density: 8.8 g/cm³

State: Solid

Group: Lanthanides Period: 6 Block: f

Electronic Configuration: [Xe]4f¹¹6s²

Isotopes: ¹⁶⁵Ho

Appearance: A bright, silvery metal.

Uses:

- 1) Holmium can absorb neutrons, so it is used in nuclear reactors to keep chain reaction under control
- 2) Its alloys are use in some magnets.

Source: www.rsc.org

