



Abich mortar

Hard steel (K890, very good toughness and compressive strength), hardened base and pestle.
Traces (in %, ≈): C 0.85, Si 0.55, Mn 0.40, Cr 4.35, Mo 2.80, V 2.10, W 2.55, Co 4.50.

CHF 490.00 + shipping costs.
VAT applicable for shipments within Switzerland

Ordering: switzerland@ggtl-lab.org

The Abich mortar allows the pulverisation of most rocks and other mineral materials for the preparation of powders (X-ray diffraction, infrared spectrometry, etc.). This relatively old tool remains useful and convenient. It can be used manually (using inertia of the pestle), or by percussion using a heavy mallet.

Otto Wilhelm Hermann von Abich (born 1806 in Berlin, died 1886 in Vienna) showed an early interest in geology, thanks to his father, Wilhelm Von Abich, a mining consultant, and his maternal grandfather Martin Klaport (1747 - 1817). Later, as a student of physics and mathematics, Abich was able to attend lectures by several of the great scientists of the 19th century, George Hegel (philosophy), Leopold Ranke (history) and Leopold von Buch (geology), as well as lectures on geography by Carl Ritter and Alexander von Humboldt.



Otto Wilhelm Hermann von Abich

In 1831, after obtaining his university degree, Abich defended a thesis on mineralogy in Latin and studied volcanoes in Italy between 1833 and 1836. From 1841 to 1844, von Abich worked as a professor of geology and mineralogy at the University of Derpt (Tartu) (today in Estonia).

Some references:

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