

REH 2

REH207H COPPER SPECIMEN 2

(1990)

Copper nodule from smelting operation. Irregular with impressions of charcoal pressed on the surface. Partly vesicular. One side v. weakly magnetic. Some patches of greenish corrosion product. Mass 60.63 g.
Length 32 mm breadth 22.7 mm Width 18 mm

METALLOGRAPHIC SPECIMEN CUT - Remainder returned to B. Sandelowsky 1992.

Polished section: Very porous copper with very few inclusions (13), some adhering slag (14). Some cuprite around pores, which are irregular. Slag consists of fayalite laths in a dark glass with small greenish copper droplets (15).
Etched in $FeCl_3$: very large grains (ASTM 1 and larger) with twins (16). Slow cooling.

EDS: REH 2 a : SLAG RASTER $200\mu \times 200\mu$

REH 2 b : SLAG RASTER $200\mu \times 200\mu$

METAL^{2a}: Very pure copper, no other detectable elements.