

BT 3

5 g fragment of bronze removed from the handle of cannon recovered from the "Dosterland", housed in Maritime Museum, Cape Town Waterfront. Sampled under Permit NO. 8/94/02/003/20 NMC.

Length 16 mm

Height 6 mm

breadth. 7 mm

Very porous cast bronze with 2-phase inclusions and with light pinkish-yellow unetched. Large part filled with grey corrosion products (1). Inclusions rounded to globular (2). Inclusion predominantly light blue-grey with dark grey patches. Smooth margins (3), hard (non-etching) Other granular-looking inclusions with bright reflections in \times polarized light, irregular margins (4), soft, (etch dark) Etched in $FeCl_3$ solution. Very coarse grained, too coarse to estimate grain size \Rightarrow very slow cooling. Inclusions do not sit on grain boundaries. Metal appears to be single phase. (Repolished for SEM)

Notes: Sampling (BTW) 3193-3203