

Petrographic examination in thin section of pottery samples – October 2019, Okayama

SAMPLES

- 10 samples from Tatetsuki site (Okayama University)
- 7 samples from Shimane

Each sample (fragment) was put in impregnating resin before the cut.

Mainly [CEMEDINE \(epoxy resin\)](#) was used for mounting the ground plane on glass slide. Only for the sample SH2 was used petropoxy.

OPTICAL MICROSCOPE

Nikon Eclipse Ci POL, lambda plate: 530 nm

Magnification:

2x → 5 mm

4x → 2.5 mm

10x → 1 mm

40x → 0.5 mm



SOME PRELIMINARY INDICATIONS

Secondary calcite (T conditions) can affect XRD analysis, so the possible presence is important to be recorded, as well as iron oxides (that can be firing alterations).

The possible alteration of feldspar grains rim could indicate a firing temperature > 1000 °C

Different granitic rocks in Okayama area (ILMENITE) and Shimane (MAGNETITE) could be provide some indications related to the supply area and provenance