

البحث رقم (٣) (باللغة الانجليزية) ملخص

Multi -Analytical Approach for the Study of Glazed Pottery from Al-Fustat, Egypt.	عنوان البحث باللغة الانجليزية
H.Sadek	المؤلف
Mediterranean Archaeology and Archaeometry	المجلة
Vol. 16, No 3, (2016), pp. 65-71	العدد و ارقام الصفحات

Multi -Analytical Approach for the Study of Glazed Pottery from Al-Fustat, Egypt.

Abstract:

This work presents the archaeometric characterizations of glazed pottery from Al-Fustat by using multi- analytical techniques. Pot sherds investigated by calorimetry, Polarized Light Microscope OLM, XRD and SEM. In the studied samples, quartz added to the pottery body paste. In addition, additive materials commonly added to the raw materials such feldspars, mica, amphibole, pyroxene and calcite. Mineralogical and morphological analysis of the matrix indicate that the firing temperature carried out at 900 °C. Elemental analytical of glaze layer indicate lead glaze was used in the Fatimid glazed pottery. Source of glaze color identified in Fatimid glaze, since Fe used widely in the preparation