



ABSTRACT SUBMISSION

Production technology and analysis of pottery obtained from Tale Sabz excavation based on XRF-XRD and petrographic tests.

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Abstract

Technical and laboratory studies of cultural works and materials, part of research. It covers a wide range of archeology and places great emphasis on the use of various sciences focused on the development of archaeological studies. In this article, several pottery objects discovered in the Tale Sabz cemetery in Fars province in southwest Iran were subjected to laboratory investigations. The purpose of this research is to identify the chemical composition and microstructure of Bronze Age pottery from the Tale Sabz region in order to understand the method of producing pottery in this region. The methods used were XRF fluorescence analysis and thin section petrography. The results of the studies showed that the examined ceramics can be divided into two categories: limestone or per calcium. And classified as lime-free or low in calcium. Conclusion: Based on the results of the tests, it can be concluded that a large part of the pottery in the Tale Sabz area is probably produced locally and with a relatively simple and basic technology that produces a sandwich-like structure and the presence of small or small ceramics there were large particles of calcite and clay in them.

Keywords

Analysis, Pottery, Tale sabz, Petrographic, XRF

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