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SEM-EDX Microstructure Characterization of Ptolemaic Faience Beads from Egypt.	عنوان البحث باللغة الانجليزية
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**Abstract:**

In this study faience beads from Saqqara, Egypt, monochrome and with a diameter of 2-3 mm, dating from the Greco-Roman period, were analyzed by SEM-EDS. SEM was employed in three modes depending on the obtained data; imaging, composition analysis and elemental mapping. The results show that the faience beads were modeled manually by hand, as well as that plant ashes was used as alkaline flux agent rather than natron. Using the elemental mapping playing important role in determination of glazing technique, where cementation is the used technique in studied samples.