Naegite incorporates radioactive elements like U and Th and indicates serious metamictization. This paper demonstrates the structure of naegite by using the results of X-ray diffraction (RDF analysis) together with transmission electron microscope. The obtained RDF clearly indicates the local structure similar to crystalline zircon [ZrSiO$_4$], by indicating the correlation pairs of 1.65Å (Si-O) and 2.16Å (Zr-O). TEM images also suggest the small crystalline fragments in the present sample.