

Abstract

The Cambrian age khewra formation sandstone is petrographically analyzed in this research.

Detail mineralogy, texture and diagenesis phenomena were studied. The quartz remains the dominant framework mineral in all sections while feldspar were the second dominant framework grain. Khewra Sandstone is scarce of lithics fragment revealed in this petrographic analysis. The percentage of matrix remains higher throughout in all sections and appeared to be directly related to higher percentages of feldspar as the alteration of feldspar to clay was observed in most of the thin section it accounts for higher percentage of matrix. The color, alteration and replacement of minerals and different orientation of grains narrates that the Khewra Sandstone subjected to all three diagenetic stages. The Khewra Formation lies in sub-arkosic class.

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