

**Mineralogical Study of Xenoliths (Buchite)
in Young Volcanoes of Stromboli (Italy)**

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Key Words: *Xenoliths, Buchite, Cordierite, Aluminum and Bauxite rich shales, Sonidinitefacies.*

Abstract: There are fragments of xenoliths in basaltic rocks of young volcanoes from Stromboli (Italy). They are cordierite bearing buchite, having white colours and are in various sizes. The biggest fragment is around 20 cm long. The main minerals are cordierite. Around eithy percent of rocks composed of cordierite and 20% consist of tridymite, hypersthene, sanidine and glass. Microscopic studies shows that the texture is granoblastic and mosaic. The mineral paragenesis and chemical composition indicated that the original rock were aluminum - rich and bauxite - rich shales. The cordierite are the Mg-rich cordierite. Xenoliths metamorphosed by sanidinitefacies.