

HUNTITE IN EAST OF IRAN. (Occurrence & Origin)

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Abstract : Huntite mineral with formula $\text{CaMg}_3(\text{CO}_3)_4$ is a natural carbonatic material with rhombohedral system that its composition is between dolomite ($\text{CaMg}(\text{CO}_3)_2$) and magnesite. For the first time Huntite was found in American Nevada province, then in other places i.e. Poland, Hungary, France, Australia, Iran and Greece.

According to thermodynamic, Huntite forms in condition of low pressure and temperature in the surface or near surface area. Investigation in Iran shows the existence of Huntite mineral within weathered ultramafic rocks. At outer part of eastern Iran, a great bulk of this rocks in ophiolitic zone is originated. In some of this area outcrop of magnesite is in adjacent with Huntite.