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Effect of Sodium Nitrate on Carbothermal Reduction of Barites

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ABSTRACT

The paper reports the effect of sodium nitrate on carbothermal reduction of barites. In practice in most industrial reductive operations the extent of reduction seldom exceeds 50 percent. After admixing the sodium nitrate in matrix, the carbothermal reduction of barites has shown encouraging results. Yields have been found to increase of the order of 57 to 60 percent. This may contribute a lot to the economy of the industry.

Keywords: Barite, Coke, Catalyst, Sodium nitrate, Carbothermal reduction.
