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摘要: 本文利用已发表的单晶莫来石相的结构数据,分析了莫来石相计算衍射峰强度随铝硅原子比的变化,找到了强度不受铝硅原子比影响的组合衍射峰,100%(110)+56%[(120)+(210)],实现了富铝莫来石的定量。

关键词:

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### The Quantitative Analysis of Aluminum-rich Mullite

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Abstract: The relationship between the calculated XRD intensity and the ratio of the aluminum atoms to the silicon atoms was analyzed by the published single crystal structure data. The sum of intensities of a group of peaks 100% (100) + 56% [ (120) + (21) ], which is not influenced by the ratio of the aluminum atoms to the silicon atoms, was discovered. A quantitative analysis method of aluminum-rich mullite was established.

Key words:

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