

科研与生产

萤石国家标准样品的研制

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收稿日期 2007-3-19 修回日期 网络版发布日期:

摘要 根据萤石产品标准的要求, 研制出一套主成分覆盖整个产品品位的萤石国家标准样品 (GSB03-1609-2003~GSB03-1615-2003)。经合适的选材、配料和加工, 所制标准样品的均匀性和稳定性好。在萤石国家标准分析方法的基础上, 对相关分析方法进一步试验, 确定出CaF₂、SiO₂、CaCO₃等8个成分的标准值, 定值准确可靠。本标准样品的Fe、P、Na₂O、K₂O在分析仪器上测试有良好的线性关系。标准样品的定值精度达到国外同类标准样品的先进水平。

关键词 [萤石](#); [标准样品](#); [线性](#); [均匀性](#); [准确性](#)

Research & development of national standard specimen of fluorite

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Abstract In accordance with the national standard of fluorite products a complete set of product specimen in conformity to the national standard (GSB03-1609-2003~GSB03-1615-2003) covering the entire fluorite product mix have been developed. All the products manufactured through appropriate selection, preparation and working of the raw materials show excellent homogeneity consistency. The analytical method concerned has been further checked and tested according to the national standard analytical method for the fluorite and thereupon the standard values of eight different compounds including CaF₂, SiO₂ and CaCO₂ have been accurately and reliably determined. The Fe, P, Na₂O and K₂O in the specimen produced according to this standard exhibit very good linearity by testing in an analyzer. The precision of determined values of the standard has come up to the world advanced level of the similar products.

Keywords [fluorite](#) [standard sample](#) [linearity](#) [homogeneity](#) [precision](#)

DOI

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