

A comparative study of grinding rate constant analysis on ground products during a stirred ball milling

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The influence of the analysis conditions on grinding rate constant was investigated. We studied the comparative study on 3 kinds of grinding rate constants. The first is the effect of sample slurry concentration; the second is the submicron area of ground products focused and the third is the production of fine particles and the width of the particle size distribution produced during a stirred balling milling. The results show reasonably good agreement between the different analysis conditions. There is a discrepancy regarding the absolute values, which can be explained by the fact the techniques used are based on different analysis conditions.