Task:

Application field: Construction materials

Material: Coarse gypsum, coarse cement clinker,

Feed size: 0-5 mm

Feed quantity: 2675 g (after pre-crushing)

Material specification(s): medium-hard, dry

Customer requirement(s): < 200 µm, preparation of four (4) representative samples out of a clinker-gypsum-mixture (2500 g : 185 g)

Subsequent analysis: Not defined

Solution:

Selected instrument(s): Cross Beater Mill SK 100 Laboratory Sample Divider PT 100

Configuration(s): For SK 100: bottom sieve, stainless steel, 0,25 mm; Ring-type filter with trapezoid hole body for collecting receptacle 5 l;

Parameter(s): Revolution speed approx. 3000 rpm

Time: 20 min. (for all work steps)

Achieved result(s): 100 % < 200 µm, see samples.

Remark(s): After drying and pre-crushing, a quantity of 2500 g clinker and 175 g gypsum will be ground in the Cross Beater Mill SK 100. After this procedure the total sample was divided in the Laboratory Sample Divider PT 100 (dividing head for 8 single samples). Respectively 2 single samples were mixed together to receive 4 representative samples.

Recommendation: For fine grinding of clinker and gypsum the Cross Beater

The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report. Subject to technical modification and errors.

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Mill SK 100 is suitable under the above mentioned conditions. For production of representative single samples the Laboratory Sample Divider PT 100 can be used.