**Task:**

**Application field:** Building Materials

**Material:** Anhydrite (CaSO4), gypsum,

**Feed size:** 5-10 mm after pre crushing

**Feed quantity:** 300 g per sample

**Material specification(s):** hard brittle, dry

**Customer requirement(s):** < 63 µm, approx. 10 kg/batch

**Subsequent analysis:** X-ray Fluorescence Analysis

**Solution:**

**Selected instrument(s):** Rotor Beater Mill SR 300

**Configuration(s):** Distance rotor SR 300 stainless steel;
Ring-type filter with trapezoid hole body for collecting receptacle 5 litres;
Ring sieve SR trapezoid holes size 0.12 and 0.2 mm, stainless steel;

**Parameter(s):** Revolution speed: approx. 9000 rpm

**Time:** 3 min.

**Achieved result(s):** Anhydrite: 88 % < 63 µm (with ring sieve 0.12 mm)
Gypsum: 51 % < 63 µm (with ring sieve 0.20 mm)

**Remark(s):** Gypsum and clinker were pre-crushed with the Jaw Crusher BB 200 from 40 - 60 mm initial grain size to approx. 5 - 10 mm;

**Recommendation:** For the grinding of hard brittle, dry building materials the Rotor Beater Mill is suitable according to the above mentioned conditions.

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.
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