Task:

**Application field:** Building Materials

**Material:** Quartz sand and quartz grit

**Feed size:** 0-5 mm (max. size of grit)

**Feed quantity:** 50 g (per batch)

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

**Customer requirement(s):** 95 % < 100 µm

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

Solution:

**Selected instrument(s):** PM 200 Planetary Ball Mill

**Configuration(s):** 2 Grinding jars 125 ml, tungsten carbide (WC); 6 grinding balls per jar, ø 20 mm tungsten carbide (WC)

**Parameter(s):** Revolution speed 500 rpm

**Time:** 3 min. (per batch)

**Achieved result(s):** 99 % < 100 µm

**Remark(s):** For fine grinding of different quartz samples the Planetary Ball Mill PM 200 is suitable under 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. Subject to technical modification and errors.

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