### Task:

**Application field:** Agriculture

**Material:** Caroube Fruits

**Feed size:** 4-6 mm

**Feed quantity:** 1300 g (approx.)

**Material specification(s):** hard, tough

**Customer requirement(s):** < 250 µm; several kilograms/h; small production

**Subsequent analysis:** Particle Size Analysis

### Solution:

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

**Configuration(s):**
- Rotor Beater Mill SR 300 for 3/N~ 400 V, 50 Hz, of stainless steel,
- Ring sieve 4 mm round holes, stainless steel;
- Ring sieve 0.5 mm trapezoid holes, stainless steel;
- Ring-type filter with trapezoid hole body SR/SK/SM for collecting receptacle 5 litres

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

**Time:** 15 min. (approx. for complete grinding)

**Achieved result(s):** 80 % < 250 µm

**Remark(s):** The caroube fruits have to be ground in two work steps due to their tough breaking properties: first with ring sieve 4 mm, afterwards with ring sieve 0.5 mm.

**Recommendation:** For the grinding of tough Caroube fruits the Rotor Beater Mill SR 300 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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