

**Task:****Application field:** Agriculture**Material:** Fertilizer, triple Superphosphate**Feed size:** 4-6 mm**Feed quantity:** 3000 g**Material specification(s):** hard, dry**Customer requirement(s):** < 75 - 150  $\mu\text{m}$  (100 - 200 mesh)  
throughput 15 - 30 kg/h no additional information**Subsequent analysis:** not defined**Solution:****Selected instrument(s):** Rotor Beater Mill SR 300**Configuration(s):** Ring sieve 0,5 mm trapezoid holes;  
ring-type filter with trapezoid hole body for collecting  
receptacle 5 l;  
distance rotor for SR 300**Parameter(s):** Revolution speed appx. 9000 rpm**Time:** 5 min. (per batch)**Achieved result(s):** 55 % < 125  $\mu\text{m}$   
80 % < 150  $\mu\text{m}$ **Remark(s):** If ring sieves with hole sizes < 0.5 mm are used, heating  
friction will influence the material and the sieve will clog.**Recommendation:** For fine grinding of medium hard fertilizers 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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