Task:

**Application field:** Agriculture

**Material:** Fertilizer, super phosphate, 7 % rest humidity

**Feed size:** 3-5 mm

**Feed quantity:** 100 g (per batch)

**Material specification(s):** medium-hard, hygroscopic

**Customer requirement(s):** < 200 - 300 µm

**Subsequent analysis:** not defined

Solution:

**Selected instrument(s):** Ultra Centrifugal Mill ZM 200

**Configuration(s):** Push-fit rotor ZM 200, 12 teeth, stainless steel;
Distance sieve trapezoid holes 0.5 mm, stainless steel,

**Parameter(s):** Revolution speed 18000 rpm

**Time:** 2 min. (per sample)

**Achieved result(s):** 85 % < 300 µm

**Remark(s):** If a preparation and grinding of a material quantity of > 200 g is required, the ZM 200 can be used in combination with the cyclone and collector for 3 or 5 liter volume.

**Recommendation:** For fine grinding of different fertilizers the Ultra Centrifugal Mill ZM 200 is suitable under the above mentioned conditions.

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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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