

Task:**Application field:** Chemistry / Plastics**Material:** Activated charcoal, 30 % organic solvent**Feed size:** 0-8 mm**Feed quantity:** 20 g (per batch)**Material specification(s):** moist, hard**Customer requirement(s):** < 300 µm for micro wave digestion, determination of mercury (Hg), drying of the sample is disallow**Subsequent analysis:** MW Micro Wave Digestion**Solution:****Selected instrument(s):** **ZM 200 Ultra Centrifugal Mill**
As the ZM 200 was discontinued we recommend to use the ZM 300 with the same settings now**Configuration(s):** Push-fit rotor of stainless steel with 12 teeth;
Distance ring sieve of stainless steel, trapezoid holes 0,75 mm**Parameter(s):** Revolution speed: 18000 rpm**Time:** 20 s**Achieved result(s):** < 300 µm, as required**Remark(s):** If ring sieves with hole sizes < 0.75 mm were used, a part of rest humidity will be separate and the characteristics of the sample changes.**Recommendation:** For disintegration of activated charcoal the Ultra Centrifugal Mill ZM 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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