Task:

Application field: Agriculture

Material: Oat pellets

Feed size: 10-20 mm

Feed quantity: 50 g

Material specification(s): medium-hard

Customer requirement(s): < 100 - 200 µm, for clinical studies

Subsequent analysis: Determination of protein

Solution:

Selected instrument(s): ZM 200 Ultra Centrifugal Mill

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

Parameter(s): Revolution speed 18000 rpm

Time: 60 s

Achieved result(s): predominantly < 200 µm

Remark(s): To avoid frictional heat it is profitable to use distance sieves.

Recommendation: For sample preparation of different animal pellets 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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Pictures of the sample

**Fig. 1:** Original sample oat pellets

**Fig. 2:** After fine grinding in ZM 200 with distance sieve 0.5 mm

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