

Task:

Application field: Food

Material: Animal food (sample 1 + 2)

Feed size: 0-10 mm

Feed quantity: 100 g (per batch)

Material specification(s): hard

Customer requirement(s): Determination of proteins and fat content

Subsequent analysis: Destillation Method Kjeldahl

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;
Ring sieve of stainless steel, trapezoid holes 2 mm;
Ring sieve of stainless steel, trapezoid holes 0,5 mm

Parameter(s): Speed: 18000 rpm

Time: 5 min. (/ sample)

Achieved result(s): predominantly < 250 µm,

Remark(s): The grinding of the very hard pellets should be done in two grinding steps:
1. pre grinding with the 2 mm sieve
2. fine grinding with the 0,5 mm sieve

Recommendation: For sample preparation of different animal food the Ultra Centrifugal Mill ZM 200 is suitable under the above mentioned conditions.