Task:

Application field: Agriculture

Material: Feed pellets

Feed size: 0-20 mm

Feed quantity: 600 g

Material specification(s): medium-hard, dry

Customer requirement(s): Homogeneous sample

Subsequent analysis: Protein Extraction

Solution:

Selected instrument(s): Knife Mill Grindomix GM 300

Configuration(s): Cutting container of stainless steel incl. knife holder, autoclavable, 5 litres for GM 300; Standard lid of plastic GM 300, autoclavable; Standard knife GM 300 made of stainless steel, autoclavable

Parameter(s): Revolution speed
Pre-grinding 3000 rpm, direction impact
Fine-grinding 3000 rpm, direction cut

Time: 60 s (30 sec pre- + 30 sec fine-grinding)

Achieved result(s): Homogeneous sample, predominantly < 1 mm

Remark(s): The Knife Mill Grindomix GM 300 is suitable to grind the sample material under the above mentioned conditions.
Pictures of the sample

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

**Fig. 2:** Feed pellets in cutting container GM 300

**Fig. 3:** Pre-ground feed pellets (30 sec at 3000 rpm)

**Fig. 4:** Fine-ground feed pellets