## Task:

**Application field:** Food  
**Material:** Dog food (soft croquette)  
**Feed size:** 10-35 mm  
**Feed quantity:** 180 g (approx.)  
**Material specification(s):** fatty, hard  
**Customer requirement(s):** homogeneous  
**Subsequent analysis:** Extraction and fat content analyses

## 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; Gravity lid of plastic GM 300, autoclavable; Standard knife GM 300 made of stainless steel, autoclavable  
**Parameter(s):**  
1) Revolution speed 3500 rpm, interval every 5 s, pre-grinding with direction impact  
2) Revolution speed 5000 rpm, continuously, fine grinding with direction cutting  
**Time:** 3 min. (1 min. pre-grinding; 2 min. fine grinding)  
**Achieved result(s):** homogeneous, evaluation by the customer  
**Remark(s):**  
1) Pre-grinding for 1 min. at 3500 rpm and interval mode. The gravity lid is locked at upper position.  
2) Fine grinding at 5000 rpm. The gravity lid is released in order to reduce the volume.
**Recommendation:** For grinding dog food our Grindomix GM 300 is suitable under the above mentioned conditions.

**Pictures of the sample**

![Fig. 1: Sample before grinding](image1)

![Fig. 2: Sample after grinding in GM 300](image2)