Task:

Application field: Food

Material: Goulash soup

Feed size: 0-10 mm

Feed quantity: 1200 g

Material specification(s): soft, liquid

Customer requirement(s): homogeneous sample

Subsequent analysis: Heavy Metal Analysis, Aqua Regia Method

Solution:

Selected instrument(s): Knife Mill Grindomix GM 300

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

Parameter(s): Revolution speed 3500 rpm, direction cut

Time: 30 s

Achieved result(s): homogeneous sample, < 1 mm

Remark(s): The gravity lid is lowered before starting the grinding process.

Recommendation: The Knife Mill Grindomix GM 300 is suitable to homogenize the sample material under the above mentioned conditions.
Pictures of the sample

Fig. 1: Original sample goulash soup

Fig. 2: Goulash soup after fine grinding in GM 300