### Task:

**Application field:** Food  
**Material:** Vanilla pods  
**Feed size:** 0-150 mm  
**Feed quantity:** 100 g  
**Material specification(s):** containing grease, elastic  
**Customer requirement(s):** 2 kg/h < 0.5 mm  
**Subsequent analysis:** Determination of pesticides

### Solution:

**Selected instrument(s):** Knife Mill Grindomix GM 200  
**Configuration(s):** Standard receptacle polypropylene, 1 litre; Gravity lid for standard receptacle, polypropylene; Knife stainless steel  
**Parameter(s):** Revolution speed 7000 rpm  
**Time:** 20 s  
**Achieved result(s):** predominantly < 0.5 mm  
**Remark(s):** The mottled vanilla pods are embrittled in liquid nitrogen and immediately ground. Under ambient conditions the grinding result only can be achieved under prolonged grinding time causing a significant release of oil.  
**Recommendation:** The Knife Mill Grindomix GM 200 is suitable to grind the sample material under the above mentioned conditions.
Pictures of the sample

Fig. 1: Original sample

Fig. 2: Sample after grinding in Grindomix GM 200