### Task:

**Application field:** Food  
**Material:** Paprika powder  
**Feed size:** Approx. 80 – 1000 µm  
**Feed quantity:** 20 g  
**Material specification(s):** dry  
**Customer requirement(s):** Sieve analysis  
**Subsequent analysis:** Particle Size Analysis  

### Solution:

**Selected instrument(s):** AS200 control Analytical Sieve Shaker  
**Configuration(s):** Test Sieve 200x50mm, DIN ISO 3310/1: 90 / 125 / 250 / 630 µm  
**Parameter(s):** Amplitude 1,5 mm, interval 10 s  
**Time:** 5 + 10 minutes  
**Achieved result(s):** Clogging of the test sieves < 250 µm (too high fat content)  
**Remark(s):**  
- The results of sieving no. 1+ 2 are not good in the range < 250 µm, conditioned on the high fat content of the sample material. (Also not by using sieving aids like nylon brushes or similary)  
- Good results are possible with the following sample preparation: 20 g paprika + 150 ml petroleum – stirring for approx. 3 min. - filtration with paper filter and drying.  

**Recommendation:** For sieving paprika powder the Sieve Shaker AS 200 control is suitable under the above mentioned conditions.