

Task:**Application field:** Chemistry / Plastics**Material:** Organic hydrophilic polymer**Feed size:** 0-200 µm**Feed quantity:** 11 g (suspended in water)**Material specification(s):** liquid**Customer requirement(s):** Wet sieving 40 / 100 / 200 µm**Subsequent analysis:** Particle Size Analysis**Solution:****Selected instrument(s):** Sieve Shaker AS 200 control**Configuration(s):** Test sieves Ø 200 mm x 50 mm acc. to ISO 3310-1, aperture size 40 / 100 / 200 µm, venting rings between the sieves**Parameter(s):** Amplitude 1.1 mm, interval 10 sec**Time:** 3 min.**Achieved result(s):** 0 % < 40 µm / 3.5 % 40-100 µm / 89.5 % 100-200 µm / 7.0 % > 200 µm**Remark(s):** The sample material is suspended in water and fed to the top sieve. Then the sieving is started under water supply. The fractions are collected using fluted filters, dried and weighed back.**Recommendation:** The Vibratory Sieve Shaker AS 200 control is suitable to analyse the sample material under the above mentioned conditions.