



## 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 $\mu m$ , 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 conditons.

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