

Task:**Application field:** Mineralogy / Metallurgy**Material:** lignite dust**Feed size:** 1-90 µm**Feed quantity:** 10 g**Material specification(s):** medium-hard, smeary**Customer requirement(s):** collecting fractions < 20 µm and < 40 µm**Subsequent analysis:** Particle Size Analysis**Solution:****Selected instrument(s):** Air Jet Sieving Machine AS 200 jet**Configuration(s):** Test sieves acc. to ISO 3310-1; 8" Ø, 1" height; mesh sizes 20 / 40 µm
Cyclone with holder and collector (250 ml) for AS 200 jet**Parameter(s):** Revolution speed 55 rpm, max. negative pressure**Time:** 2 min.**Achieved result(s):** 43% < 20 µm; 26% 20 – 40 µm**Remark(s):** Due to the sample's tendency to stick on the sieves a sieving with the vibratory sieve shaker AS 200 control is not suitable for this sample material.**Recommendation:** The Air Jet Sieving Machine AS 200 jet is suitable to collect the required sample fractions under the above mentioned conditions.

The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report.

Subject to technical modification and errors.

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