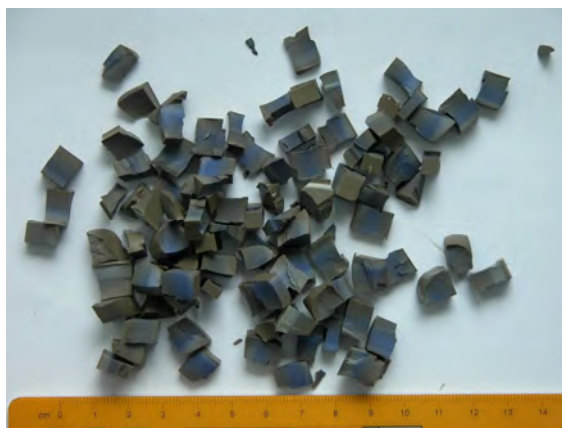
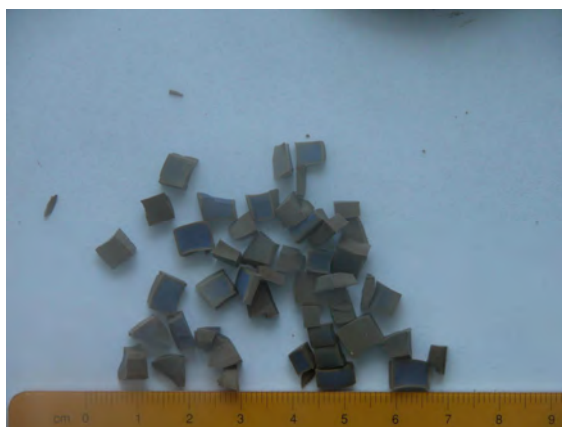


Task:**Application field:** Biology**Material:** Agar with PDMS (Polydimethylsiloxan) and Pigment**Feed size:** 5 mm (Test 1)
2-3 mm (Test 2)**Feed quantity:** Test 1: 6,0 g
Test 2: 4,5 g**Material specification(s):** elastic, temperature sensitive**Customer requirement(s):** 500 µm**Subsequent analysis:** not defined**Solution:****Selected instrument(s):** CryoMill**Configuration(s):** Grinding jar stainless steel 50 ml for CryoMill
1x Grinding ball stainless steel 25 mm ø**Parameter(s):** Frequency 25Hz.**Time:** 6 min. grinding (10min. Pre-cooling
3x2min. Grinding with
2min. Intermediate cooling)**Achieved result(s):** < 500µm**Remark(s):** 1st test with 6,0g of sample and 2x2 minutes grinding
2nd test with 4.5g of sample and 3x2 minutes grinding. For the second test, the feed size has been reduced to approx. half of the size from the first test.**Recommendation:** The cryogenic mixer mill CryoMill is suitable for grinding Agar 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.

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Pictures of the sample**Fig. 1:** original sample**Fig. 2:** sample 1 after manual pre-cutting with scissors**Fig. 3:** sample 1 after grinding in CryoMill**Fig. 4:** sample 2 after manual pre-cutting with scissors**Fig. 3:** sample 2 after grinding in CryoMill**Fig. 4:** sample 2 after grinding in CryoMill

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