Task:

Application field: Food

Material: Sugar, brown saccharose

Feed size: 0-3 mm

Feed quantity: 1000 g

Material specification(s): crystalline

Customer requirement(s): < 100 µm, throughput 1 - 2 kg/day

Subsequent analysis: Not defined

Solution:

Selected instrument(s): Ultra Centrifugal Mill ZM 200
                    Vibratory Feeder DR 100

Configuration(s): Push-fit rotor 24 teeth stainless steel;
                  Ring sieve ZM 200 trapezoid holes 0.2 mm, stainless steel;
                  Cyclone ZM 200 with passage receptacle and holder,
                  with 3 litres collector

Parameter(s): Revolution speed 18000 rpm

Time: 10 min. (per batch)

Achieved result(s): 95 % < 100 µm

Remark(s): For feeding the sugar in a slow going and continuous way, the vibratory feeder DR100 was used.

Recommendation: For fine grinding of crystal shugar the Ultra Centrifugal Mill ZM 200 is suitable 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.
© Retsch GmbH - www.retsch.com - lab@retsch.com