Task:

Application field: Chemistry / Plastics

Material: cellulose, paper and paper pulp cake, 2 samples

Feed size: 0-30 mm (paper snippet)

Feed quantity: 100 ml (per sample)

Material specification(s): fibrous, dry

Customer requirement(s): < 43 µm for XRF analysis

Subsequent analysis: X-ray Fluorescence Analysis

Solution:

Selected instrument(s): PM 400 Planetary Ball Mill

Configuration(s): Grinding jar 250 ml, Zirconia; In each jar 5 grinding balls Ø 30 mm Zirconia

Parameter(s): Revolution speed 320 rpm

Time: 25 min. (per sample)

Achieved result(s): < 100 µm

Remark(s): Extension of the grinding time can higher the end fineness.

Recommendation: For sample preparation of cellulose materials, the Planetary Ball Mill PM 400 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.

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