Task:

Application field: Chemistry / Plastics

Material: Different types of leather, dry and wet

Feed size: 40-60 mm (pre cutted with a shear)

Feed quantity: 100 g (per batch)

Material specification(s): tough

Customer requirement(s): Determination of heavy metal, pesticides, herbicides and dye stuffs

Subsequent analysis: Heavy Metal Analysis, Aqua Regia Method

Solution:

Selected instrument(s): SM 100 Cutting Mill

Configuration(s): Standard hopper for SM 100 / SM 2000; Bottom sieves of stainless steel, square holes 4 mm; Ring-type filter with trapezoid hole body for collecting receptacle 5 l

Parameter(s): approx. 1500 rpm

Time: 2 min. (per sample)

Achieved result(s): < 3 - 4 mm

Remark(s): Wet leather can be cutted but will stick in the grinding chamber, the throughput is blocked. The wet material was dried in the Rapid Dryer TG 100 at 105° C, 30 min.

Recommendation: For disintegration of dry leather the Cutting Mill SM 100 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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