



Wood

Application

Market segment:	Environment
Material:	0-100 mm (scale of wood)
Feed size:	500 g (50 g for the analysis)
Feed quantity:	250 g
Material specification(s):	Fibrous, dry
Customer requirement(s):	< 2 mm for determination of chlorine, fluorine, PCB acc. to the mutated forest standard (19.06.02)
Subsequent analysis:	PCB Polychloritic Biphenyles

Solution

Selected instrument(s):	CM100 Cutting Mill, Riffle Splitter
Configuration(s):	Standard hopper; Bottom sieves of stainless steel, square holes 6 mm; Bottom sieves of stainless steel, trapezoid holes 1.5 mm; Ring-type filter with trapezoid hole body for collecting receptacle 5 L
Working settings:	Revolution speed appx. 1500 rpm
Time:	5 min.
Achieved result(s):	< 2 mm as required
Remark(s):	The sample preparation was done in following operation steps: 1. Pre cutting of the total sample (500 g) with CM100 using a bottom sieve of 6 mm. 2. Sample dividing by a Riffle splitter down to appx. 50g 3. Fine grinding of the single sample in CM100 using a bottom sieve of 1.5 mm



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Application notes can only be used as a guideline. Each type material of has its own characteristics and therefore the outcome for each test may vary per material. We cannot accept any legal claims derived from this application note. This document is subjected to technical modification and errors.

Recommendation(s):

For pre cutting and fine grinding of matured forest the CM100 Cutting Mill is suitable under the above mentioned operating process.