Task:

Application field: Building Materials, Environment

Material: Construction waste, paving

Feed size: 0-35 mm

Feed quantity: 300 g

Material specification(s): tough, ductile

Customer requirement(s): < 1 mm

Determination of PCB, furanes, halogen hydrogen

Subsequent analysis: PCB Polychloritic Biphenyles

Solution:

Selected instrument(s): BB 200 Jaw Crusher

Configuration(s): Spare breaking jaws of stainless steel, 1 pair

Parameter(s): Gap size 0 - 2 mm

Time: 3 min.

Achieved result(s): predominantly < 2 - 3 mm

If the fineness is not sufficient for the analysis, the material can be crushed in a second operation step.

Remark(s): Because of a high content bituminous fractions, the sample should be pre cooled with liquid nitrogen. Without cooling effect the material can be impacted between the jaws. The Laboratory Jaw Crusher BB 51 is not suitable in this case, because the excentrical motion of the jaws is faster.

Recommendation: For pre crushing of hard and brittle waste materials the Jaw Crusher BB 200 is suitable under the above mentioned conditions.