

Report No.: 17045
Date: 14.03.2016
Contact: MLU

Task:

Application field: Construction Materials
Material: **Brick (house brick)**
Feed size: 90 mm
Feed quantity: 4000 g
Material specification(s): dry
Customer requirements(s): <100 µm
Subsequent analysis: XRF - X-ray Fluorescence Analysis
 Colour measurement

Solution

Selected Instrument(s): Jaw Crusher BB 200
 Planetary Ball Mill PM 100
Configuration(s) Item nos.: 1 x BB 200, 230 V, 50 Hz, manganese steel / stainless steel
 1 x PM 100, 230 V, 50/60 Hz
 1 x Grinding jar "comfort", agate, 250 ml
 15 x Grinding ball, agate, 20 mm ø

Please note: Other electrical versions of the instrument(s) are available with different item numbers.

Parameter(s): BB 200: Gap width: 1 mm
 PM 100: Revolution speed: 400 rpm with direction reversal

Time: BB 200: 90 s
 PM 100: 5 min

Achieved result(s): BB 200: < 3 mm
 PM 100: < 100 µm

Remark(s): The sample was pre-crushed to a particle size of 90 mm with a hammer.

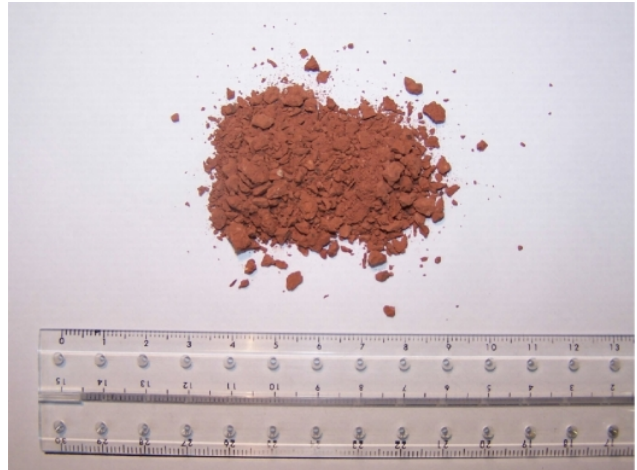
Recommendation: The Jaw Crusher BB 200 and the Planetary Ball Mill PM 100 is suitable to grind the sample material under the above mentioned conditions.

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Pictures of the sample:



Picture 1: Original sample



Picture 2: Sample after grinding process in BB 200



Picture 3: Sample after grinding process in PM 100

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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