



Stones

Application

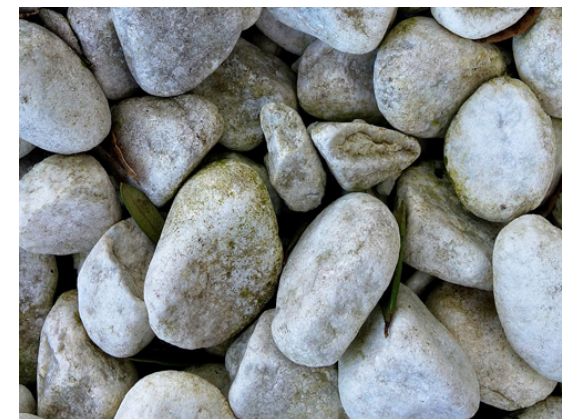
Market segment:	Building Materials
Material:	Several rocks, granite, limestone, volcanic rocks, pebble stones
Feed size:	0-8 mm (after pre crushing in jaw crusher BB 100)
Feed quantity:	200 g (per sample)
Material specification(s):	Hard brittle
Customer requirement(s):	< 212 µm / 125 µm for analysis acc. NP EN1744-1
Subsequent analysis:	IRS Infra Red Spectroscopy

Solution

Selected instrument(s):	Planetary Ball Mill , LMC100D Jaw Crusher
Configuration(s):	4 x grinding jars 250 ml, tungsten carbide; per jar 5 grinding balls Ø 30 mm tungsten carbide
Working settings:	5 min. (per sample)
Time:	approx. 1 – 2 min.
Achieved result(s):	100 % < 212 µm 95 % < 125 µm

Remark(s): All original samples with a feed size up to 30 mm have been pre crushed in the LMC100D Jaw Crusher. A representativ single part of each sample was used for fine grinding in the Planetary Ball Mill

Recommendation(s): For sample preparation of hard and brittle rocks, the LMC100D Jaw Crusher is suitable for pre crushing and for fine grinding the Planetary Ball Mill can be used under the above mentioned conditions.



Pebbles

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