



Bentonite

Application

Market segment:	Building Materials
Material:	Bentonite
Feed size:	0 - 6 mm
Feed quantity:	60 g
Material specification(s):	Medium-hard, dry
Customer requirement(s):	< 63 µm, spectral analysis
Subsequent analysis:	X-ray Fluorescence Analysis

Solution

Selected instrument(s):	LM PBM-1 Planetary Ball Mill
Configuration(s):	Grinding Jar 250 ml, of stainless steel Grinding Balls 12 x 20 mm, of stainless steel
Working settings:	Speed: 580 rpm
Time:	10 min. (not longer to prevent agglomeration)
Achieved result(s):	85 % < 63 µm
Remark(s):	To avoid sticking and agglomeration effects, 5 – 8 drops of methanol were added to the sample before grinding.
Recommendation(s):	For fine grinding of minerals the LM PBM-1 Planetary Ball Mill is suitable under the above mentioned conditions.



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