

Report No.: 11824
Date: 08.10.2007
Contact: HP

Task:

Application field: Environment

Material: **Sludge, filter cake containing metalhydroxides and salt**

Feed size: **5 – 20 mm (after drying)**

Feed quantity: 200 g of dried sample

Material specification(s): medium-hard

Customer requirement(s): < 1 mm

Subsequent analysis: MW Micro Wave Digestion

Solution:

Selected instrument(s): **Knife Mill Grindomix GM 200**

Configuration(s): Standard plastic (PP) receptacle, 1 litre;
Lid of plastic for standard receptacle, polypropylene

Parameter(s): speed 3000 rpm

Time: 30 s

Achieved result(s): < 200 µm

Remark(s): The sample was first dried in a furnace at 70 °C .
A homogenisation of the wet sample is possible by adding approx. 50 ml water.

Recommendation: For sample preparation of sludge and filter cake the Knife Mill Grindomix GM 200 is suitable under the above mentioned conditions.