**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

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**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.