

Task:**Application field:** Mineralogy / Metallurgy**Material:** Lignite and brown coal**Feed size:** 0-50 mm**Feed quantity:** 1250 g (per batch)**Material specification(s):** medium-hard, moist**Customer requirement(s):** < 3 mm**Subsequent analysis:** Determination of humidity and calorific value**Solution:****Selected instrument(s):** SM 100 Cutting Mill**Configuration(s):** Bottom sieves of stainless steel, square holes 6 mm;
Ring-type filter with trapezoid hole body for collecting receptacle 5 l;
Standard hopper**Parameter(s):** Revolution speed 1450 rpm**Time:** 5 min. (per batch)**Achieved result(s):** predominantly < 3 mm**Remark(s):****Recommendation:** For sample preparation of lignite and brown coal, the Cutting Mill SM 100 is suitable under the above mentioned conditions.

Report No.: 10489
Date: 03.06.2003
Contact: HP

Pictures of the sample



Fig. 1: Lignite with 60 % rest humidity Fig. 2: Brown coal, 45 % humidity

Distributed by:

Lab Unlimited
CARL STUART GROUP

Tallaght Business Park
Whitestown, Dublin 24,
Ireland
D24 RFK3

Tel: (01) 4523432
Fax: (01) 4523967
E-mail: info@labunlimited.com
Web: www.labunlimited.com

Quatro House, Frimley Road,
Camberley,
United Kingdom
GU16 7ER

Tel: 08452 30 40 30
Fax: 08452 30 50 30
E-mail: info@labunlimited.co.uk
Web: www.labunlimited.co.uk