

Report No.: 12907a

Task:

Application field: Food

Material: Chocolate with complete hazelnuts

Feed size: 0-30 mm (after manual pre-crushing)

Feed quantity: 500 g (5 bars)

Material soft, containing grease

specification(s):

Customer Homogenisation

requirement(s):

Subsequent analysis:

Determination of fat, carbohydrates and protein

Solution:

Selected Knife Mill Grindomix GM 300

instrument(s):

Configuration(s): Cutting container of stainless steel incl. knife holder,

autoclavable, 5 litres for GM 300; Gravity lid of plastic with

overflow channels GM 300, autoclavable

Parameter(s): pre-grinding: 20 sec. at 1000 rpm, direction reversal every

5 sec.

fine-grinding: 30 sec. at 4000 rpm, direction impact

Time: 50 sec. (complete preparation)

Achieved Homogenious sample, predominantly < 1 mm result(s):

Remark(s): The chocolate bars are manually pre-crushed and

afterwards embrittled using 1000 g dry ice. The mixture

then is homogenised in the Knife Mill GM 300.

Recommendation: The Knife Mill GM 300 is suitable to homogenise the sample

material under the above mentioned conditions.

The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report.

Subject to technical modification and errors.



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Pictures of the sample



Fig. 1: Original sample



Fig. 2: Sample after manual pre-crushing



Fig. 3: Sample + dry ice in Cutting container GM 300



Fig. 4: Sample after fine-grinding in GM 300