



Mercury

Application

Market segment:	Chemistry / Polymer industry/ Plastics
Material:	Hg
Feed size:	0-9 mm
Feed quantity:	100 g per batch
Material specification(s):	Moist, soft/brittle
Customer requirement(s):	Determination of mercury (Hg), without drying the material before grinding
Subsequent analysis:	Micro Wave Digestion

Solution

Selected instrument(s):	LAARMANN UCM200 Ultra Centrifugal Mill
Configuration(s):	12 teeth rotor of stainless steel. Distance ring sieve of stainless steel, 0,75 trapezoid perforated
Working settings:	Revolution speed: 18000 rpm
Time:	10-15 sec
Achieved result(s):	< 250 up to 300 μ m
Remark(s):	1 st picture shows the result after grinding. 2 nd Native mercury to be pre crushed
Recommendation(s):	To reach < 250 up to 300 μ m the UCM200 is suitable.



Mercury liquid form



Native mercury with cinnabar

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