

Task:**Application field:** Agriculture**Material:** Wheat seeds**Feed size:** 4-5 mm**Feed quantity:** 80 g**Material specification(s):** medium-hard, dry**Customer requirement(s):** < 100 µm
The sample preparation should be done in PM 100 with grinding set 250 ml Agate**Subsequent analysis:** AAS Atomic Absorption-Spectroscopy**Solution:****Selected instrument(s):** PM 100 Planetary Ball Mill**Configuration(s):** Grinding jar 250 ml agate;
5 grinding balls ÿ 30 mm agate**Parameter(s):** Revolution speed 500 rpm**Time:** 10 min.**Achieved result(s):** 95 % < 100 µm**Remark(s):** Extension of the grinding process will increase the final fineness. Grinding tests under the conditions of agate grinding balls ÿ 10 mm are not recommendable.**Recommendation:** For sample preparation of wheat and similar products, the Planetary Ball Mill PM 100 is suitable under the above mentioned conditions.