

Task:**Application field:** Agriculture**Material:** Tobacco leaves**Feed size:** 0-30 mm (length of fiber)**Feed quantity:** 15 g (per jar)**Material specification(s):** fibrous, medium-hard**Customer requirement(s):** < 0.5 -1 mm**Subsequent analysis:** Heavy Metal Analysis, Aqua Regia Method**Solution:****Selected instrument(s):** PM 400 Planetary Ball Mill**Configuration(s):** 2 grinding jars 250 ml Agate
1. Jar: 14 grinding balls, Ø 20 mm Agate
2. Jar: 5 grinding balls, Ø 30 mm Agate**Parameter(s):** Revolution speed 280 rpm**Time:** 3 min.**Achieved result(s):** Sample 1: < 2000 µm with grinding balls Ø 20 mm)
Sample 2: < 100 µm with grinding balls Ø 30 mm)**Remark(s):****Recommendation:** For sample preparation of dry biology materials the Planetary Ball Mill PM 400 is suitable under the above mentioned conditions.