

Task:**Application field:** Food**Material:** Persipan and almond pulp**Feed size:** 0-2 mm**Feed quantity:** 102 g Persipan, 61 g almond pulp**Material specification(s):** moist**Customer requirement(s):** wet sieving**Subsequent analysis:** not defined**Solution:****Selected instrument(s):** Sieve Shaker AS 200 control**Configuration(s):** Universal wet sieving clamping device „comfort“; Collecting pan with outlet stainless steel, 200 mm ø, height 50 mm; Venting ring for wet sieving stainless steel, test sieves 200 mm ø, height 50 mm acc. to ISO 3310-1, aperture sizes 32 / 75 / 125 µm**Parameter(s):** Amplitude 1.1 mm, interval 10 sec**Time:** 7 min. (for each sample)**Achieved result(s):**
Persipan: 13.2% > 125 µm / 2% 75-125 µm / 0.7% 32-75 µm / 84.1% < 32 µm
Almond pulp: 0.7% > 125 µm / 0.7% 75-125 µm / 4.9% 32-75 µm / 93.7% < 32 µm

Remark(s): Wet sieving acc. to the following scheme: the sample material is suspended in luke warm water and transferred to the top sieve. Wet sieving is subsequently performed under additon of cold water. After 2 min the intake is switched to luke warm water. The resulting fractions are filtered, dried and weighed back.

Recommendation: The Sieve Shaker AS 200 control is suitable to analyse the sample material under the above mentioned conditions.

Pictures of the sample



Fig. 1: Original sample persipan



Fig. 2: Original sample almond pulp