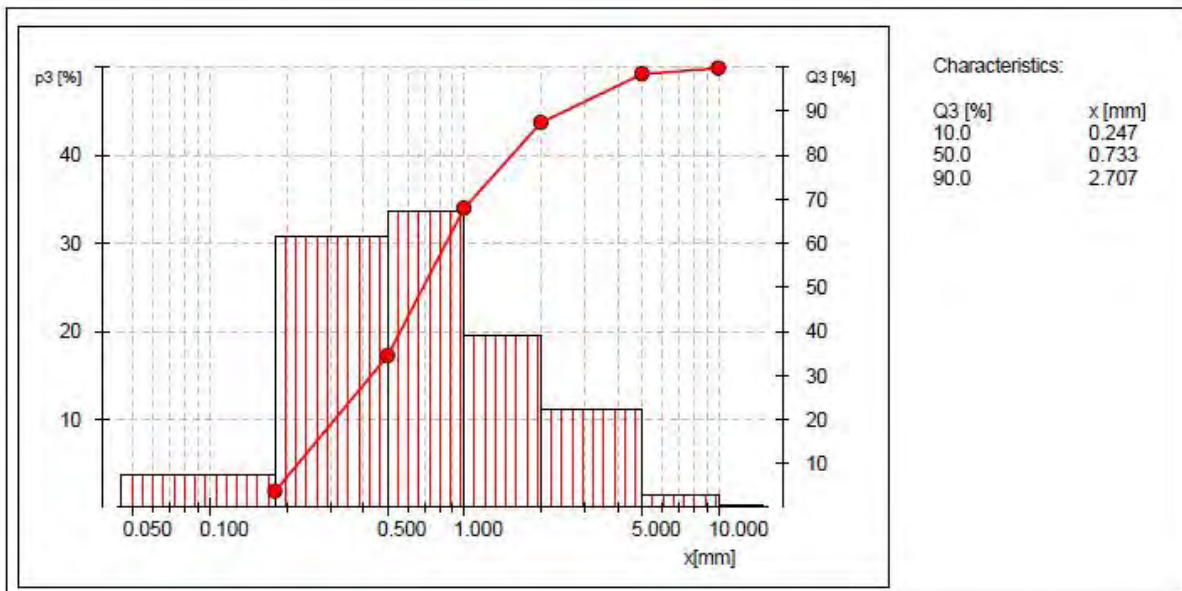


Task:**Application field:** Biology**Material:** **Wood (2 samples)****Feed size:** **0-20 mm****Feed quantity:** 370 g Sample A / 315 g Sample B (each after drying)**Material specification(s):** fibrous, moist**Customer requirement(s):** Sieve analysis with AS 400**Subsequent analysis:** Quality Control**Solution:****Selected instrument(s):** **Horizontal Sieve Shaker AS 400****Configuration(s):** Test sieves acc. to ISO 3310-1, 400 x 65 mm aperture size:
180 / 500 / 1000 / 2000 / 5000 / 10000 / 20000 µm**Parameter(s):** Revolution speed 250 rpm**Time:** 10 min. (for each sample)**Achieved result(s):** see protocols "Retsch Sieve Analysis" by EasySieve**Remark(s):** Prior to analysis the samples have been dried using the Fluid Bed Dryer TG 200. Sample A: > 30% residual humidity, sample B: > 20% residual humidity**Recommendation:** For sieving wood chips and other fibrous products our Horizontal Sieve Shaker AS 400 is suitable under the above mentioned conditions.

Sample A

Size class [mm]	p3 [%]	Q3 [%]	Δm [g]	$\Sigma \Delta m$ [g]
< 0.180	3.6	3.6	13.50	13.50
0.180 - 0.500	30.8	34.4	115.20	128.70
0.500 - 1.000	33.6	67.9	125.70	254.40
1.000 - 2.000	19.4	87.4	72.80	327.20
2.000 - 5.000	11.1	98.5	41.40	368.60
5.000 - 10.000	1.3	99.8	5.00	373.60
> 10.000	0.2	100.0	0.80	374.40

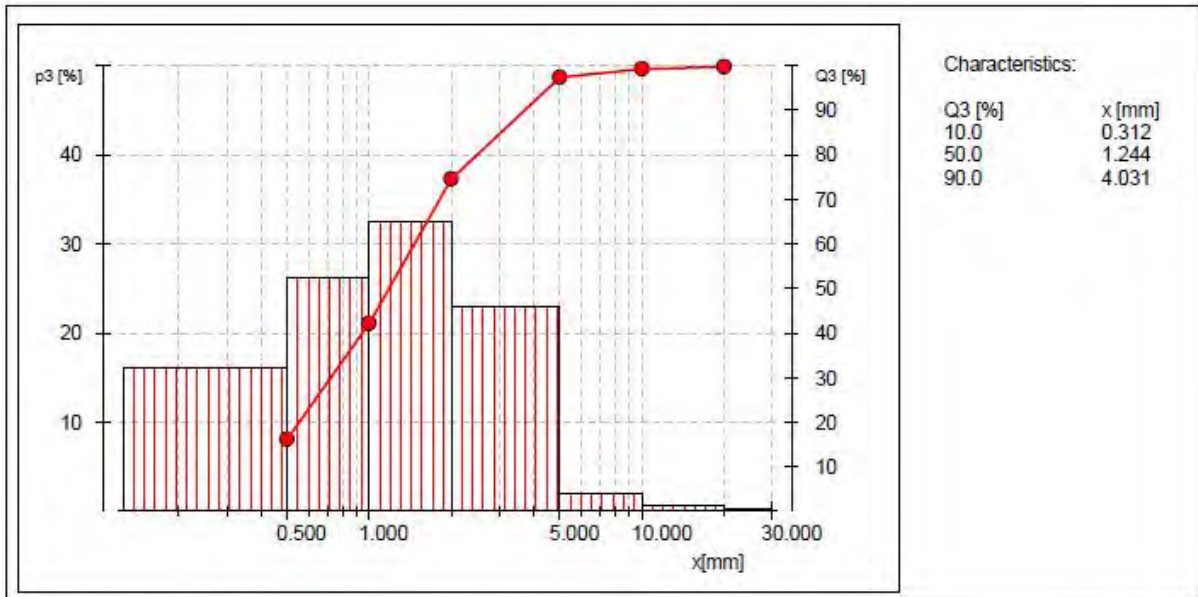


The application report is based solely on the processing of the available sample material in the indicated amount. No legal claims shall be derived from this test report.

Subject to technical modification and errors.

Sample B

Size class [mm]	p3 [%]	Q3 [%]	Δm [g]	$\Sigma \Delta m$ [g]
< 0.500	16.0	16.0	50.90	50.90
0.500 - 1.000	26.1	42.1	82.70	133.60
1.000 - 2.000	32.4	74.5	102.90	236.50
2.000 - 5.000	22.9	97.4	72.60	309.10
5.000 - 10.000	1.9	99.3	6.10	315.20
10.000 - 20.000	0.5	99.8	1.60	316.80
> 20.000	0.2	100.0	0.60	317.40



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