

Uster Technologies AG, Textile Laboratory Testing Services

1. Test items

Item	Test Description	International Standards	Sample volume	No. of required sub samples	No. of tests per sub sample	Price (per sample)
1	Testing Package 1 USTER® AFIS PRO 2 USTER® TESTER 6 USTER® TENSORAPID 5 USTER® TENSOJET 5 USTER® ZWEIGLE TWIST TESTER USTER® ZWEIGLE HL400 USTER® CLASSIMAT 5 Grading – pilling, appearance, weaving performance		USTER® AFIS PRO 2: 50g (raw cotton, card mat, sliver, roving) and 10 cones (total 250 km yarn)	10	1	on request
2	Testing Package 2 USTER® TESTER 6 USTER® TENSORAPID 5 USTER® TENSOJET 5 USTER® ZWEIGLE HL400 USTER® ZWEIGLE TWIST TESTER		10 cones (total 50 km yarn) or Yarn > Ne 30, 10 full bobbins Yarn < Ne 30, 20 full bobbins	10 or 20	1	on request
3	Testing Package 3 USTER® TESTER 6 USTER® TENSORAPID 5 USTER® TENSOJET 5 USTER® ZWEIGLE TWIST TESTER USTER® ZWEIGLE HL400 USTER® CLASSIMAT 5		10 cones (total 250 km yarn)	10	1	on request

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Textile Testing on Fibers						
4	USTER® HVI 1000 – bundle fiber testing Determination of fiber fineness, maturity index, fiber length, fiber strength, fiber elongation, color, trash and leaf code	ISO 2403, ASTM-1445, -1447, -1448, -2812, -5867, GB/T 20392	300 g	1	10 length/strength, 10 color/trash 5 maturity	on request
5	USTER® AFIS PRO 2 – single fiber testing Determination of fiber and seed coat neps, fiber length, short fiber content, maturity, trash and dust	ASTM-5866	50 g (raw cotton, card mat, sliver, roving)	10	1	on request
Textile Testing on Sliver & Roving						
6	USTER® TESTER 6 – sliver/roving Determination of sliver or roving evenness	ASTM D1425- D1425M	10 roving bobbins	10	1	on request
Textile Testing on Staple Fiber Yarns						
7	USTER® TESTER 6 – short and long staple yarns Determination of yarn evenness, imperfections, hairiness, diameter, shape, density, trash and dust	ISO 2060, 2649, ASTM-1425, IWTO 18-94	10 full bobbins or small cones	10	1	on request
8	USTER® TESTER 6 – slub yarn testing Determination of slub length, slub distance, mass increase, slub scatter plot, slub classification, slub sequence, etc.		10 full bobbins or small cones	10	1	on request

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9	USTER® TENSORAPID 5 – staple yarns Determination of yarn strength and elongation, test speed 500 mm/min, 5000 mm/min, 20 second tests or according to specific requirements, fiber cohesion tests (sliver), fabric tests, etc.	ISO 2062, DIN 53835, 53842, ASTM 1578, 2256, 3107, 2612, 4964, 5034, 5035, GB/T 3916, 3923.1	10 full bobbins or small cones	10	20	on request
10	USTER® TENSOJET 5 – staple yarns Determination of yarn strength and elongation, detection of weak places, test speed 400 m/min		10 full bobbins or small cones	10	1,000	on request
11	USTER® CLASSIMAT 5 Determination of seldom yarn faults like thin and thick places, count variation and foreign fibers, polypropylene, YARN BODY™/dense area comparison, outliers and quality comparison, etc.		Total at least 200 km yarn 10 cones	10		on request
12	USTER® ZWEIGLE TWIST TESTER 5 Determination of turns per meter, twist multiplier – available for ring and plied yarn	ISO 2061, 17202, ASTM 1423, GB/T 2543.1, 2543.2	10 full bobbins or small cones	10	10	on request
13	USTER® ZWEIGLE HL 400 Hairiness length classification, counting of protruding fibers in length classes from 1 to 10 mm as well as S1+2 and S3 value, test speed 400 m/min		10 full bobbins or small cones	10	1	on request

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13	USTER® ZWEIGLE YARN REEL Determination of yarn count		10 full bobbins or small cones	10	1	on request
Textile Testing on Filaments						
14	USTER® TESTER 6-C – filament yarns Determination of filament evenness and of interminglings	ASTM D1425/1425M, ISO 16549, ISO 2060	minimum 1 cone	1	1	on request
15	USTER® TENSORAPID 5 – filament yarns Determination of filament strength and elongation, cycle tests, hysteresis tests, test speed 500 mm/min or according to requirements	ISO 2062, DIN 53835, ASTM 2256, BISFA 17	minimum 1 cone	1	20	on request
Optimization of clearing limits						
16	USTER® QUANTUM 3 Optimization of clearing limits on ring, compact, rotor and airjet yarns concerning the quality and the production					on request

We also offer user-specific trainings for all USTER® instruments mentioned above.

2. Additional information

2.1 Contact address Uster Technnologies:

Uster Technologies AG

Theresa Ritter

Head of Textile Laboratory

Uster Technologies AG

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2.2 Sender's contact information

- Please provide sender's name, address, contact person, telephone and email address.
- Samples should be packed and identified properly.
- Required tests should be specified.

2.3 Payment

Please remit the payment to the following account after receiving the invoice:

- UBS AG, P.O. Box, CH-8098 Zurich
- Swift: UBSWCHZZH80A
- Clearing-Nr./Bank Code: 206
- Bank Account number (Swiss Francs, CHF): 0206-2228594.01J
- IBAN: CH15 0020 6206 2285 9401 J

2.4 Lead time

The days after receiving the payment:

- Sample conditioning time: 2 working days
- Testing time: depending on the number of tests (1 - 2 hours per sample and per test)
- Reporting time: depending on the report complexity (30 min - 3 days)
- Total time: sample conditioning time + testing time + reporting time (5 - 10 days)

Test reports will be sent by e-mail after the test is completed.

Uster Technologies AG

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