

# Uster textile laboratory testing

## Full range of services

Uster offers textile testing for fibers, sliver and rovings, staple fiber yarns and filaments. Furthermore, customer can request special tests for clearing limits optimization.

### Proceeding

- Customers send samples of the requested size to Uster (see last page for postal information) including complete contact details of the sender (company name, address, contact person, phone and e-mail address).
- Samples should be packed and identified properly and required tests must be clearly specified.
- After receiving the payment, it takes two working days for sample conditioning.

- Testing time depends on the number of tests (one to two hours per sample and per test).
- Reporting time is subject due to the report's complexity and take up to three days. Please allow five to ten days for all mentioned service steps. Test reports will be sent by e-mail right after completing the order.

As a further service, trainings are provided for Uster testing and monitoring instruments as included in the list below.

Please contact for any inquiries:

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| Item   | Test Description   | International Standards                    | Sample volume               | No. of required sub samples | No. of tests per sub sample                                  | Price (CHF) |
|--|--|--|-----------------------------|-----------------------------|--|-------------|
| <b>Uster HVI 1000 bundle fiber testing</b>   |  |  |                             |                             |  |             |
| 1  | Determination of fiber fineness, maturity index, fiber length and length uniformity, fiber strength, fiber elongation, colour, trash and leaf code | ISO 2403, ASTM-D1445, -D1447-07, -D5867-12 | 300 g                       | 1                           | 10 length/strength,<br>10 color/trash<br>5 fineness/maturity | 150         |
| <b>Uster AFIS Pro 2 single fiber testing</b> |  |  |                             |                             |  |             |
| 2  | Determination of fiber and seed coat neps, fiber length, short fiber content, maturity, trash and dust   | ASTM D5866-12                              | 50 g (tuft, sliver, roving) | 10                          | 1  | 250         |
| <b>Uster LVI 920 single fiber testing</b>    |  |  |                             |                             |  |             |
| 3  | Determination of neps and nep size   | ASTM D5866-12                              | 50 g (tuft, sliver, roving) | 10                          | 1  | 150         |

| Item | Test Description  | International Standards                              | Sample volume                  | No. of required sub samples | No. of tests per sub sample | Price (CHF) |
|------|---|--|--------------------------------|-----------------------------|-----------------------------|-------------|
| 4    | <b>Uster LVI 930 bundle fiber testing</b><br>Determination of fiber length and length uniformity  | ASTM D1447-07  | 100 g                          | 1                           | 10                          | 100         |
| 5    | <b>Uster LVI 975 micronaire testing</b><br>Determination of fiber fineness  | ISO 2403   | 100 g                          | 1                           | 5                           | 100         |
| 6    | <b>Uster Tester 6-S sliver and roving</b><br>Determination of sliver or roving evenness   | ASTM D1425   | 10 roving bobbins              | 10                          | 1                           | 150         |
| 7    | <b>Uster Tester 6-S short and long staple yarns</b><br>Determination of yarn evenness, imperfections, hairiness, diameter, shape, density, trash and dust   | ISO 2060, ISO 16549, ASTM-D1425                      | 10 full bobbins or small cones | 10                          | 1                           | 150         |
| 8    | <b>Uster Tester 6-S slub yarn testing</b><br>Determination of slub length, slub distance, mass increase, slub scatter plot, slub classification, slub sequence, etc.  | -  | 10 full bobbins or small cones | 10                          | 1                           | 200         |
| 9    | <b>Uster Tensorapid 5 staple yarns</b><br>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, ASTM D1578-93, -D2256, D2612-99, -D4964-96 | 10 full bobbins or small cones | 10                          | 20                          | 150         |
| 10   | <b>Uster Tensojet 5 staple yarns</b><br>Determination of yarn strength and elongation, detection of weak places, test speed 400 m/min   | -  | 10 full bobbins or small cones | 10                          | 1000                        | 150         |

| Item                                     | Test Description   | International Standards     | Sample volume                          | No. of required sub samples | No. of tests per sub sample | Price (CHF) |
|--|--|-----------------------------|--|-----------------------------|-----------------------------|-------------|
| <b>Uster Classimat 5</b>                 |  |                             |  |                             |                             |             |
| 11                                       | 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<br>10 cones | 10                          |                             | 300         |
| 12                                       | <b>Uster Autosorter 6</b><br>Determination of yarn count   | ISO 2060                    | 10 full bobbins or small cones         | 10                          | 1                           | 50          |
| 13                                       | <b>Uster Tester 6-C filament yarns</b><br>Determination of filament evenness and interminglings  | ASTM D1425/1425M, ISO 16549 | minimum 5 cones                        | 5                           | 1                           | 200         |
| <b>Uster Tensorapid 5 filament yarns</b> |  |                             |  |                             |                             |             |
| 14                                       | Determination of filament strength and elongation, cycle tests, hysteresis tests, test speed 500 mm/min or according to requirements   | ISO 2062, ASTM D2256        | minimum 5 cones                        | 5                           | 20                          | 200         |

Postal address and contact details

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