Regularly conducted round robin tests are an important monitoring tool both for a certified quality assurance system and for in-house solutions. Round robin tests enable systematic sources of error to be identified and the necessary corrective action to be taken.

The advantages in summary:
- Boosts confidence in the informative value and accuracy of test results
- Promotes confidence in customers and suppliers
- Cost savings as a result of fewer repeat tests
- Reproducibility and comparability of results
- Supports the in-house quality assurance system

TESTEX is accredited under ISO 17043 and organises the following round robin tests:

**Yarn round robin test**
Dispatch of samples for testing the following parameters:
- Yarn count
- Yarn twist
- Tenacity : CRE 20 sec, CRE 500mm/min, CRE 5000mm/min
- Tenacity : USTER TENSOJET
- Lea test
- Evenness (capacitive and optical)
- Yarn hairiness (count and index)
- Yarn friction

**Test material:** yarn on five cones, mostly cotton, count approx. Ne 30 - 110
**Conducted:** annually

**Colour fastness round robin test**
Dispatch of samples to test the following colour fastnesses:
- Fastness to washing, ISO 105-C06/C2S, ISO 105-C08
- Fastness to perspiration, ISO 105-E04
- Fastness to water, ISO 105-E01
- Fastness to rubbing, ISO 105-X12
- Fastness to dry cleaning, ISO 105-D01
- Fastness to light, ISO 105-B02
- Paper samples for visual and/or colorimetric assessment
FACTSHEET

Test material: 6 samples of woven or knitted fabrics (already cut) or yarn, 2 paper samples for assessment only
Conducted: 3 times a year

Fabric properties round robin test
Dispatch of samples for the following tests:
- Weight and construction of fabric
- Tensile properties – strip method, ISO 13934-1
- Tensile properties – Grab method, ISO 13934-2
- Tear resistance, Elmendorf method, ISO 13937-1
- Tear resistance, trouser-shape method, ISO 13937-2
- Tear resistance, wing-shape method, ISO 13937-3
- Bursting strength and bursting height, ISO 13938-2
- Seam slippage strength, ISO 13936-1 and ISO 13936-2
- Abrasion resistance, Martindale method, ISO 12947-2
- Pilling propensity, Martindale method, ISO 12945-2
- Pilling propensity, pilling box, ISO 12945-1
- Dimensional change at washing, ISO 5077/6330

Test material: practice-related samples in widely differing qualities
Conducted: annually

Function round robin test
Dispatch of samples for the following tests:
- Resistance to water penetration, ISO 811
- Water vapour resistance, ISO 11092
- Thermal resistance, ISO 11092
- Permeability to air, ISO 9237
- Colour measurement background material, EN ISO 20471:2013
- Electrostatic properties, EN 1149-1 and EN 1149-3
- Protective clothing: protection against heat and flames, test method for limited flame spread, ISO 15025

Test material: practice-related samples in widely differing qualities
Conducted: annually

The annual timetable with dispatch dates and the current status of the round robin tests as well as application forms and current prices can be found on our website.

More information
www.testex.com | zuerich@testex.com | +41 44 206 42 42
TESTEX AG, Swiss Textile Testing Institute, Gotthardstrasse 61, P.O. Box 2156, 8027 Zurich, Switzerland