

# Textiles and Personal protective equipment Proficiency Testing 2019

## Inspection body

We are an inspection body, reference material producer and proficiency testing (PT) provider. For a wide selection of proficiency testing schemes the DRRR is accredited acc. DIN EN ISO/IEC 17043 (please look into the appendix of our scope of accreditation). Proficiency Testing schemes that are not covered by the scope of accreditation are specially marked with \*) in the product catalogue/on the homepage.

In very rare individual cases an accredited proficiency testing round will not be carried out within the scope of accreditation due to technical or organizational reasons. In these rare cases the DRRR will inform the participants before the start of the proficiency testing round, thus before the sample shipment. An immediately free cancellation for the participants is possible until the date of the sample shipment.



## Your benefit

Our proficiency testing schemes cover a wide range of tests and analysis for material testing. Thus you can benefit from our high quality standards in all important testing fields:

**in 2019 more than 500 accredited Proficiency testing schemes are offered**

By participating in our proficiency testing schemes you have an objective and independent impression of your quality and performance of your routine testing method. Your benefits taking part in DRRR proficiency testing schemes:

- Participation in proficiency testing is required by several facilities
- Participants can compare, assure and improve their own performance and quality
- Recognition of the applied method compared to the other laboratories
- Unquestionable lab performance towards customers and certification authorities
- Saving costs of lab development and maintenance
- Saving on the working time in the lab and many other benefits



## Statistical principles

Depending on the distribution of the data, the following statistical methods are used for evaluation, amongst others:

- sensible statistics
- sensible statistics with outlier elimination (e.g. Grubbs or expert outliers)
- robust statistics (Hampel-Schätzer, Q-method)



## Registration/information

**Simply brilliant, your proficiency testing with ODIN.**

- Convenient proficiency testing participation with ODIN easy, safe and clearly
- Fast and easy online registration / online announcement in our online catalogue
  - Direct management and booking of the proficiency testing
  - Overview about the registered proficiency testing schemes
  - Fast and secure submission of your results via ODIN
  - Online access to individual customers reports and certificates
  - Supervisor rights available to overview all PTs of a multi-site company
  - saving of costs through booking and submission of your results via ODIN

You can also use the following pages as a registration form or download them on our homepage:

<http://www.drrr.de/en/proficiency-testing/material-testing/>

For questions and suggestions do not hesitate to contact us!

DRRR GmbH  
Bodmanstraße 4 D-87435 Kempten  
Fon: +49 (0)8 31/960 878-0  
Fax: +49 (0)8 31/960 878-99  
E-mail: [info@DRRR.de](mailto:info@DRRR.de) Website: [www.DRRR.de](http://www.DRRR.de)



# Textiles: Registration for 2019

In cooperation with:



Schedule 2019

## Fabric properties:

Art. no.	Standard	Proficiency testing type	Price*	Add. samples
2010733	EN 12127   ISO 3801	<input type="checkbox"/> Mass per unit area: natural and synthetic fibre material (23/50 and 20/65 possible)	200 €	100 €
2010983	freely selectable	<input type="checkbox"/> ° Construction of fabric: number of threads / wales / course	200 €	100 €
2010732	ISO 9073-2	<input type="checkbox"/> Thickness of nonwovens	200 €	100 €
2010070	ISO 9073-4	<input type="checkbox"/> ° Tear resistance nonwovens [NEW!]	200 €	100 €
2010734	ISO 13934-1	<input type="checkbox"/> Tensile properties - strip method	200 €	100 €
2010837	ISO 13934-2	<input type="checkbox"/> Tensile properties - grab method	200 €	100 €
2010778	ISO 13937-1	<input type="checkbox"/> Tear properties - Elmendorf method	200 €	100 €
2010800	ISO 13937-2	<input type="checkbox"/> Tear properties - trouser shaped specimen	200 €	100 €
2010801	ISO 13937-3	<input type="checkbox"/> Tear properties - wing shaped specimen	200 €	100 €
2010802	ISO 12947-2	<input type="checkbox"/> Abrasion resistance - Martindale	200 €	100 €
2010803	ISO 12945-1	<input type="checkbox"/> Pilling properties - Pilling box	200 €	100 €
2010804	ISO 12945-2	<input type="checkbox"/> Pilling properties - Martindale	200 €	100 €
2010841	ISO 13936-1/-2	<input type="checkbox"/> Slippage resistance of yarns	200 €	100 €
2010072	ISO 13935-1	<input type="checkbox"/> ° Maximum force seam (strip method) [NEW!]	200 €	100 €
2010842	ISO 13938-2	<input type="checkbox"/> Bursting strength and Bursting distension	200 €	100 €
2010751	ISO 3071	<input type="checkbox"/> PH value of textiles	200 €	100 €
2010973	DIN 54278-1	<input type="checkbox"/> ° Determination of materials soluble in organic solvents	200 €	100 €
2010836	ISO 11357-3	<input type="checkbox"/> DSC: Temp. and enthalpy of melting	200 €	100 €
2011000	AATCC 179	<input type="checkbox"/> ° Vertical Wicking of Textiles	200 €	100 €



The accreditation only applies to the determined content of the scope of the certificate.

## Dates and prices

### Sample shipment:

27.-31. May 2019

### Reporting Deadline:

9. August 2019

\* Price for report by postal delivery + 40,00 €/ prices shall be net, plus value-added tax

## Functional properties:

2010805	Diffuse / 8°-geometry	<input type="checkbox"/> Colour measurement - $\Delta E$ , $\Delta L$ , $\Delta a$ , $\Delta b$	200 €	100 €
2010806	acc. to Ganz	<input type="checkbox"/> Whiteness measurement	200 €	100 €
2010839	EN 20811	<input type="checkbox"/> Hydrostatic pressure test	200 €	100 €
2010830	ISO 9073-12	<input type="checkbox"/> Demand absorbency	200 €	100 €
2010997	AATCC 79	<input type="checkbox"/> ° Absorbency of Textiles	200 €	100 €
2010840	ISO 5077   ISO 6330	<input type="checkbox"/> Dimensional change in washing (drying method F)	200 €	100 €
2010807	ISO 15797	<input type="checkbox"/> Industrial washing and colour change (method 2 peracetic acid bleach)	200 €	100 €
2010996	ISO 7770   ISO 7768	<input type="checkbox"/> ° Assessing the appearance of seams and fabrics	200 €	100 €
2010995	ISO 11092	<input type="checkbox"/> ° Thermal and water vapour resistance	200 €	100 €
2010074	ISO 4920 / AATCC 50	<input type="checkbox"/> ° Spray test - surface wetting [NEW!]	200 €	100 €
2010832	ISO 9237	<input type="checkbox"/> Permeability of fabrics to air	200 €	100 €
2010808	DIN 75200   FMVSS 302	<input type="checkbox"/> Burning rate of textiles	200 €	100 €

## Questions and suggestions

Do not hesitate to contact the DRRR-team:

Thorsten Helbig  
+49(0)831/960 878-77  
[thorsten.helbig@drrr.de](mailto:thorsten.helbig@drrr.de)

Stefanie Beyer  
+49(0)831/960 878-87  
[stefanie.beyer@drrr.de](mailto:stefanie.beyer@drrr.de)

## Individual fibres (4,4 dtex to 15dtex):

21010975	ISO 1973	<input type="checkbox"/> ° Linear density	200 €	100 €
2010976	ISO 5079	<input type="checkbox"/> ° Breaking force and elongation	200 €	100 €

©DRRR rev.: 26.10.2018  
(changes reserved)

page 2 of 4

° This Proficiency test is currently not within our scope of accreditation

# Textiles: Registration for 2019

In cooperation with:



Schedule 2019

## Colour fastness:

Art. no.	Standard	Proficiency testing type	Price*	Add. samples
2010809	ISO 105-B02	<input type="checkbox"/> Colour fastness to light - Xenon arc	200 €	100 €
2010810	ISO 105-B04	<input type="checkbox"/> Colour fastness to light - Xenon arc	200 €	100 €
2010833	ISO 105-C06/C2S	<input type="checkbox"/> Colour fastness to washing 60°	200 €	100 €
2010735	ISO 150-X12	<input type="checkbox"/> Colour fastness to rubbing - Crockmeter	200 €	100 €
2010834	ISO 105-C08	<input type="checkbox"/> Colour Fastness to washing	200 €	100 €
2010835	ISO 105-D01	<input type="checkbox"/> Colour Fastness to dry cleaning	200 €	100 €
2010752	ISO 105-E01	<input type="checkbox"/> Colour Fastness to water	200 €	100 €
2010736	ISO 105-E04	<input type="checkbox"/> Colour Fastness to perspiration	200 €	100 €
2010992	ISO 105-E06	<input type="checkbox"/> ° Colour fastness to spotting: Alkali	200 €	100 €
2010993	ISO 105-P01	<input type="checkbox"/> ° Colour fastness by dry heat	200 €	100 €



The accreditation only applies to the determined content of the scope of the certificate.

## Determination of fibre blends:

2010974	freely selectable	<input type="checkbox"/> ° Qualitative determination of a fibre blend	200 €	100 €
2011001	ISO 17751-1,-2	<input type="checkbox"/> ° Quantitative analysis of cashmere, wool, other specialty animal fibers (Light microscopy and Scanning electron microscopy)	200 €	100 €
2010737	ISO 1833-11	<input type="checkbox"/> Quantitative determination of a fibre blend Polyester fibres/cotton	200 €	100 €
2010776	ISO 1833-12	<input type="checkbox"/> Quantitative determination of a fibre blend Acrylic fibres/other fibres	200 €	100 €
2010738	ISO 1833-4	<input type="checkbox"/> Quantitative determination of a fibre blend Protein fibres/other fibres	200 €	100 €
2010739	ISO 1833-6	<input type="checkbox"/> Quantitative determination of a fibre blend Viscose fibres/other fibres	200 €	100 €
2010740	ISO 1833-7	<input type="checkbox"/> Quantitative determination of a fibre blend Polyamide fibres/other fibres	200 €	100 €

## Coated fabrics: [NEW!]

2010990	ISO 32100	<input type="checkbox"/> ° Flex resistance (flexometer)	235 €	110 €
2010991	ISO 1421	<input type="checkbox"/> ° Tensile strength and elongation	235 €	110 €
2010150	ISO 2286-3	<input type="checkbox"/> ° Thickness	235 €	110 €
2010086	ISO 7854-A	<input type="checkbox"/> ° Damage resistance by flexing (De Mattia)	290 €	110 €
2010088	ISO 7854-C	<input type="checkbox"/> ° Damage resistance by flexing (crumple/flex)	290 €	110 €
2010090	ISO 5470-2	<input type="checkbox"/> ° Abrasion resistance (Martindale)	290 €	110 €

## Microbiology textile: [NEW!]

2010076	AATCC 100	<input type="checkbox"/> ° Antimicrobial Fabric Test	300 €	150 €
2010078	AATCC 147	<input type="checkbox"/> ° Antibacterial Parallel Streak	300 €	150 €
2010080	ISO 20743 / AATCC 90	<input type="checkbox"/> ° Antibacterial Activity	300 €	150 €
2010082	EN 16615	<input type="checkbox"/> ° 4-field test / microbial reduction textile	300 €	150 €

## Additives | Pollutants: (deviating sample shipment!)

2010324	not specified	<input type="checkbox"/> Extractable heavy metals in textiles [Jul-19]	359 €	133 €
2010185	not specified	<input type="checkbox"/> Formaldehyde in textiles [May-19]	359 €	133 €
2010326	not specified	<input type="checkbox"/> Flameretardents in textiles [Dec-19]	359 €	133 €
2010328	EN 14362-1	<input type="checkbox"/> Azo dyes in textiles [Nov-19]	359 €	133 €

## Dates and prices

### Sample shipment:

27.-31. May 2019

### Reporting Deadline:

9. August 2019

\* Price for report by postal delivery + 40,00 €/ prices shall be net, plus value-added tax

## Questions and suggestions

Do not hesitate to contact the DRRR-team:

Thorsten Helbig  
+49(0)831/960 878-77  
[thorsten.helbig@drrr.de](mailto:thorsten.helbig@drrr.de)

Stefanie Beyer  
+49(0)831/960 878-87  
[stefanie.beyer@drrr.de](mailto:stefanie.beyer@drrr.de)

# Personal protective equipment (PPE): Registration for 2019

In cooperation with:



Schedule 2019

## Protective clothing (general): [NEW!]

Art. no.	Standard	Proficiency testing type	Price*	Add. samples
2010092	ISO 14419	<input type="checkbox"/> ° Oil repellency	290 €	110 €
2010094	EN 863	<input type="checkbox"/> ° Puncture resistance	290 €	110 €
2010096	EN 1149-1	<input type="checkbox"/> ° Surface resistivity	290 €	110 €
2010098	EN 1149-2	<input type="checkbox"/> ° Vertical resistance	290 €	110 €
2010100	EN 1149-3	<input type="checkbox"/> ° Charge decay	290 €	110 €
2010102	ISO 15025	<input type="checkbox"/> ° Limited flame spread	290 €	110 €
2010104	ISO 9185	<input type="checkbox"/> ° Resistance to molten metal splash	290 €	110 €



The accreditation only applies to the determined content of the scope of the certificate.

## High visibility clothing (ISO 20471): [NEW!]

Art. no.	Standard	Proficiency testing type	Price*	Add. samples
Tests should be done in new state (without pretreatment):				
2010106	ISO 20471 / 5.1	<input type="checkbox"/> ° Color measurement (background material)	290 €	110 €
2010108	ISO 20471 / 6.1	<input type="checkbox"/> ° Retroreflection of (retroreflective material)	290 €	110 €

### Sample shipment:

27.-31. May 2019

### Reporting Deadline:

9. August 2019

\* Price for report by postal delivery + 40,00 €/ prices shall be net, plus value-added tax

## Protective clothing against rain: [NEW!]

2010110	EN 343 5.1.3.4 / 5.1.3.5	<input type="checkbox"/> ° Resistance to water penetration after pretreatment flexing and fuel / oil	290 €	110 €
2010112	EN 31092	<input type="checkbox"/> ° Vapour water resistance Ret	600 €	200 €

° This Proficiency test is currently not within our scope of accreditation

## Dates and prices

## Questions and suggestions

Do not hesitate to contact the DRRR-team:

Thorsten Helbig  
+49(0)831/960 878-77  
[thorsten.helbig@drrr.de](mailto:thorsten.helbig@drrr.de)

Stefanie Beyer  
+49(0)831/960 878-87  
[stefanie.beyer@drrr.de](mailto:stefanie.beyer@drrr.de)

Additional samples are required for the following tests:

Quantity	Art. No. / Proficiency testing type
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- Report by postal delivery (+ 40,00 €/Proficiency Test)  
 An offer with the total costs is needed  
 A Purchase order from the purchasing department will follow

If you register for a large number of Proficiency tests please contact us for special prices!

Registration by e-mail: [info@DRRR.de](mailto:info@DRRR.de)

Hereby we confirm obligatorily the participation in the above mentioned test(s) and the order for the additional sample sets.

company  
 company (additional line)  
 contact person  
 street  
 post code / city  
 country  
 email  
 VAT-ID (EU)

Date: