

## Deutsche Akkreditierungsstelle GmbH

**Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV**

Signatory to the Multilateral Agreements of  
EA, ILAC and IAF for Mutual Recognition

## Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

**Papiertechnische Stiftung**  
**Heßstraße 134, 80797 München**

with the test laboratory

**Pirnaer Straße 37, 01809 Heidenau**

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the following fields:

**physical and mechanical tests;**  
**testing of optical properties;**  
**determination of porosity and surface properties;**  
**selected chemical analysis and environmental simulation testing at paper, cartons, boards and corrugated fibreboards and technical products in paper industry**

The accreditation certificate shall only apply in connection with the notice of accreditation of 01.06.2016 with the accreditation number D-PL-17375-01 and is valid until 08.03.2020. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 5 pages.

Registration number of the certificate: **D-PL-17375-01-00**

Berlin,  
01.06.2016

Ralf Egner  
Head of Division

Translation issued:  
25.07.2016

  
Head of Division

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf.

# Deutsche Akkreditierungsstelle GmbH

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The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkKS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17375-01-00  
according to DIN EN ISO/IEC 17025:2005

Period of validity: 01.06.2016 to 08.03.2020

Date of issue: 01.06.2016

Holder of certificate:

**Papiertechnische Stiftung  
Heißstraße 134, 80797 München**

with the test laboratory

**Pirnaer Straße 37, 01809 Heidenau**

Tests in the fields:

**physical and mechanical tests;  
testing of optical properties;  
determination of porosity and surface properties;  
selected chemical analysis and environmental simulation testing at paper, cartons, boards and  
corrugated fibreboards and technical products in paper industry**

Abbreviations used: see last page

**The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.**

## **1 Physical-technological tests**

### **1.1 Physical tests**

DIN EN ISO 536  
2012-11 Paper and board - Determination of grammage

DIN EN ISO 534  
2012-02 Paper and board - Determination of thickness, density and specific volume

### **1.2 Mechanical tests**

DIN EN ISO 1924-2  
2009-05 Paper and board - Determination of tensile properties - Part 2: Constant rate of elongation method (20 mm/min)

DIN EN ISO 1974  
2012-09 Paper - Determination of tearing resistance - Elmendorf method

DIN 53121  
2014-08 Testing of paper and board - Determination of the bending stiffness by the beam method

ISO 5626  
1993-11 Paper - Determination of folding endurance

DIN 54518  
2004-03 Testing of paper and board - Compression strength, short span test

DIN 55440-1  
1991-11 Packaging test - Compression test - Test with a constant conveyance-speed

DIN EN ISO 2759  
2014-10 Board - Determination of bursting strength

DIN EN ISO 3037  
2013-12 Corrugated fibreboard - Determination of edgewise crush resistance (unwaxed edge method)

DIN 53142-1  
2014-12 Testing of board - Puncture test - Part 1: Puncture test with a pendulum punching device

## 2 Surface properties and porosity

DIN ISO 8791-4 2008-05	Paper and board - Determination of roughness/smoothness (air leak methods) - Part 4: Print-surf method
ISO 8791-2 2013-09	Paper and board - Determination of roughness/smoothness (air leak methods) - Part 1: Bendtsen method
DIN EN ISO 535 2014-06	Paper and board - Determination of water absorptiveness - Cobb method
ISO 5636-3 2013-11	Paper and board - Determination of air permeance (medium range) - Part 3: Bendtsen method
ISO 5636-5 2013-11	Paper and board - Determination of air permeance (medium range) - Part 5: Gurley method

## 3 Tests of optical characteristics

ISO 2470-1 2009-10	Paper, board and pulps - Measurement of diffuse blue reflectance factor - Part 1: Indoor daylight conditions (ISO brightness)
ISO 2470-2 2008-11	Paper, board and pulps - Measurement of diffuse blue reflectance factor - Part 2: Outdoor daylight conditions (D65 brightness)
DIN 4512-9 1993-01	Photographic sensitometry - Determination of optical density - Spectral conditions
ISO 7724-1 1984-10	Paints and varnishes - Colorimetry - Part 1: Principles <i>(withdrawn standard)</i>
ISO 7724-2 1984-10	Paints and varnishes - Colorimetry - Part 2: Colour measurement <i>(withdrawn standard)</i>
ISO 7724-3 1984-10	Paints and varnishes - Colorimetry - Part 3: Calculation of colour differences <i>(withdrawn standard)</i>

#### 4 Environmental simulation tests and selected chemical examinations

DIN ISO 11798 2001-01	Information and documentation - Permanence and durability of writing, printing and copying on paper - Requirements and test methods
ISO 18916 2007-06	Imaging materials - Processed imaging materials - Photographic activity test for enclosure materials <i>(but tests according to item 8.4 „Dye coupler reactivity test“ and 8.5 „Diazo images“)</i>
ISO 10716 1994-12	Paper and board - Determination of alkali reserve
ISO 302 2004-07	Pulps - Determination of Kappa number
ISO 6588-1 2012-11	Paper, board and pulps - Determination of pH of aqueous extracts - Part 1: Cold extraction
DIN EN ISO 4892-2 2013-06	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps
BfR 6 2012-05	Examinations of recycled paper 6.1 Determination of hydrocarbons from mineral oil (MOSH and MOAH) or plastics (POSH, PAO) in packaging materials and dry food by solid phase extraction and GC FID
DIN EN 14338 2004-03	Paper and board intended to come into contact with foodstuffs - Conditions for determination of migration from paper and board using modified polyphenylene oxide (MPPO) as a simulant

**each in connectin with:**

<i>DIN EN 20187 1993-11</i>	<i>Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples</i>
<i>DIN EN ISO 186 2002-08</i>	<i>Paper and board - Sampling to determine average quality</i>
<i>DIN EN ISO 2233 2001-11</i>	<i>Packaging - Complete, filled transport packages and unit loads - Conditioning for testing</i>
<i>DIN 55446 1991-11</i>	<i>Packaging - Means of packaging and complete filled transport packages - Sampling</i>

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<i>DIN EN 22206 1993-02</i>	<i>Packaging - Complete, filled transport packages - Identification of parts when testing</i>
<i>ISO 287 2009-06</i>	<i>Paper and board - Determination of moisture content of a lot - Oven-drying method</i>
<i>ISO 9352 2012-04</i>	<i>Plastics - Determination of resistance to wear by abrasive wheels</i>
<i>DIN EN ISO 9706 2010-02</i>	<i>Information and documentation - Paper for documents - Requirements for permanence</i>

**abbreviations used:**

BfR	Federal Institute for Risk Assessment
DIN	German Institute for Standardization
EN	European Standard
ISO	International Organization for Standardization