

Aschaffenburg, 29 January 2026

From: Za-pa  
Authorized by: Zahn**REPORT**

**Order No.:** 17477/5-2      **Page 1 of 3 pages**

**Client:** Papierfabriek Schut B.V.  
Kabeljauw 2  
6866 NE Heelsum  
THE NETHERLANDS

**Date of order:** 19 December 2025

**Receipt of sample material:** 22 December 2025

**Origin of sample material:** From the client

**Purpose:** Examination of a paper sample according to ICN quality requirements



(Zahn)  
Head of  
Physical Material Testing

The present report exclusively refers to the samples mentioned. It meets the requirements of the DIN EN ISO/IEC 17025:2018 for simplified test reports. Additional information and statistical data on the results are available upon request.

## Sample Material

For analysis the following sample material was in hand:

Sample material	Sample designation
Archive paper, blue, 135 gsm	Reference R5850-70666

## Carrying out of the Tests

Examination period: 23 December 2025 to 28 January 2026

The conditioning of the sample material and – where applicable - the carrying out of the tests took place in standard atmosphere according to ISO 187:2022-10 at 23 (±1) °C and 50 (±2) % RH.

## Examination of permanent paper for archive covers according to ICN requirements

The examination was performed according to ICN-Kwaliteitseis No. 1 “Archiefomslagen zonder hechtmechaniek voor permanente bewaring”, February 1998.

Parts of the sample material were subjected to an accelerated ageing process according to ISO 5630-3:1996-06\* for 288 hours (12 days) in a climatic cabinet at 80 °C and 65 % relative humidity.

The accelerated ageing took place from 9 January 2026 to 21 January 2026.

The test regulations and results of the physical and chemical parameters according to ICN-Kwaliteitseis No. 1 are listed in the test result tables below.

Result:

<b>Examination according to ICN-Kwaliteitseis No. 1</b>		
<b>Record of test results (I) - “R5850-70666”</b>		
<u>Parameter</u> (Test regulation ICN- Kwaliteitseis No. 1; Test method)	Test result	ICN-requirement
Quality requirements of the archive cover (section 3)		
<b>Phloroglucinol-Test</b> (3.1; visual control for red staining; both material sides)	no staining detected	<i>no staining</i>
<b>pH-value</b> (3.2; ISO 6588-1:2021-11*)	8.8	7.5 - 9.5
<b>Alkali reserve</b> (3.3; ISO 10716:2022-02*; TM = dry matter)	1.7 mol acid/kg	≥ 0.4 mol acid/kg

<b>Examination according to ICN-Kwaliteitseis No. 1</b>		
<b>Record of test results (II) - "R5850-70666"</b>		
<b>Parameter</b> (Test regulation ICN- Kwaliteitseis No. 1; Test method)	Test result	<i>ICN-requirement</i>
<b>Physical properties of the archive cover (section 4)</b>		
<b><u>Grammage (conditioned)</u></b> (4.1; DIN EN ISO 536:2020-05*; 20 specimens á 100 cm <sup>2</sup> )	Mean value: 136 g/m <sup>2</sup> Difference to nominal value: +0.7 %	$\geq 120 \text{ g/m}^2$ $\leq \pm 5 \%$
<b><u>Tearing resistance index</u></b> (4.2; DIN EN ISO 1974:2012-09*; pendulum factor: 8; examination performed in machine direction)	10.7 mN*m <sup>2</sup> /g	$\geq 10 \text{ mN}^* \text{m}^2/\text{g}$
<b><u>Folding endurance</u></b> (4.3; ISO 5626:1993-11*; Schopper method; examination performed in cross direction)	381 double folds	$\geq 300 \text{ double folds}$
<b><u>Colour fastness against water</u></b> (4.4; DIN EN 646:2019-02*; contact with water (4h; 23 °C))	5	$\geq 3$
<b>Permanence after 12 days accelerated ageing (section 5)</b>		
<b><u>Tearing resistance index – aged sample</u></b> (5; DIN EN ISO 1974:2012-09*; pendulum factor: 8; examination performed in machine direction)	10.0 mN*m <sup>2</sup> /g	$\geq 8.6 \text{ mN}^* \text{m}^2/\text{g}$ <i>(min. 80 % of original value)</i>
<b><u>Folding endurance – aged sample</u></b> (5; ISO 5626:1993-11*; Schopper method; examination performed in cross direction)	336 double folds	$\geq 305 \text{ double folds}$ <i>(min. 80 % of original value)</i>

The accreditation (Register no. D-PL-14160-01-00) applies to the methods marked with \* in the test report.

End of report