

**The Appendix is an integral part of  
Certificate of Accreditation No. 231/2019 of 20/05/2019**

**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**SPM – Security Paper Mill, a.s.**  
SPM - Security Paper Mill Laboratory  
Litoměřická 272, 411 08 Štětí

*The laboratory provides expert opinions and interprets test results.*

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/method identification <sup>2</sup>	Tested object
1.	Measurement of diffuse blue reflectance factor (ISO brightness; D65 brightness) Determination of brightness - CIE, D65/10°; C/2°	PP 1 (ISO 2470-1:2009; ISO 2470-2; ISO 11475; ISO 11476)	Paper, cardboard
2.	Determination of opacity - Diffuse reflectance method	PP 2 (ISO 2471)	Paper, cardboard
3.	Determination of colour by diffuse reflectance (D65/10°;C/2°)	PP 3 (ISO 5631-1; ISO 5631-2)	Paper, cardboard
4.	Determination of mass per unit area	PP 4 (ISO 536)	Paper, cardboard
5.	Determination of thickness	PP 5 (ISO 534)	Paper, cardboard
6.	Determination of air permeance (medium range) - Gurley method	PP 6 (ISO 5636-5)	Paper, cardboard
7.	Determination of water absorptiveness - Cobb method	PP 7 (ISO 535)	Paper, cardboard
8.	Determination of tensile properties - constant rate of elongation method (20 mm/min.)	PP 8 (ISO 1924-2)	Paper, cardboard
9.	Determination of tensile strength after immersion in water	PP 9 (ISO 3781)	Paper, cardboard
10.	Determination of folding endurance	PP 10 (ISO 5626)	Paper, cardboard
11.	Determination of bending resistance at constant rate of deflection	PP 11 (ISO 2493-1)	Paper, cardboard
12.	Determination of pH of aqueous extract (cold extraction)	PP 12 (ISO 6588-1)	Paper, cardboard
13.	Determination of tearing resistance - Elmendorf method	PP 13 (ISO 1974)	Paper, cardboard
14.	Determination of surface strength (by wax pick test)	PP 14 (TAPPI T 459 om-13)	Paper, cardboard
15.	Determination of residue (ash) on ignition at 900 degrees C	PP 15 (ISO 2144)	Paper, cardboard
16.	Determination of roughness/smoothness - air leak method (Print-surf)	PP 16 (ISO 8791-4)	Paper, cardboard

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17.	Determination of smoothness - Bekk method	PP 17 (ISO 5627)	Paper, cardboard
18.	Determination of bursting strength	PP 18 (ISO 2758)	Paper, cardboard

<sup>1</sup> Asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

<sup>2</sup> If the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes).

Explanations:

PP Internal Working Procedure

PP TAPPI Technical Association of Pulp & Paper Industry