



INSTITUTE of Biopolymers & Chemical Fibres



AB 065

90-570 Łódź, ul. M. Skłodowskiej-Curie 19/27, POLAND • Tel.: +48 42 6376744, 6380352 • Fax.: + 48 42 6376214

Laboratory of Paper Quality

Tel./Fax. +48 42 636 88 23, Tel. +48 42 638 03 50, e-mail: icplpap@ibwch.lodz.pl, elabaranek@ibwch.lodz.pl

Your reference: **date on 26.11.2009**

Łódź, **22.12.2009**

Test report No. 283

Copy no ...!

1. The orderer: **IP BELGIAN SERVICES COMPANY SPRL,**

CHAUSSÉE DE LA HULPE 166, B - 1170 BRUSSELS

2. Examined object -marking of the sample in laboratory:

sample of paper "Rey ADAGIO", 01-BLUE, 80 gsm, size A4, one ream (a`500 sheets).

Marking of the sample in laboratory: **283.**

3. Date of getting the samples: **30.11.2009.**

4. Sampling: **the Orderer - INTERNATIONAL PAPER S.A., USINE DE SAILLAT-SUR-VIENNE
BP1 SAILLAT SUR VIENNE, 87206 SAINT JUNIEN CEDEX FRANCE**

5. Testing:

5.1. The atmosphere for conditioning and testing: **PN-EN 20187:2000 (50±2% r.h., 23±1°C).**

5.2. Date of testing: **18 ÷ 22.12.2009.**

5.3. Results:

Measured properties	Units	Results		Procedure	Requirements by EN ISO 9706:1998 (idt ISO 9706:1994)
		mean value	precision ¹⁾		
1. Tearing resistance (manufacturer Lorentzen&Wettré, model number 4-1, p=8, n=4): a) machine direction b) cross direction	mN	540 597	S=14 S=13	PN-EN 21974:2002 (idt EN 21974:1994)	for papers of grammage ≥ 70 g/m ² at least 350 mN in both directions
2. Alkali reserve	mol/kg	3,6	R=0,04	PN-ISO 10716:2009 (idt ISO 9706:1994)	at least 0,4 mol/kg
3. Kappa a number	-	0,9	R=0,02	PN-85/P-50095/02 (eqv ISO 302:1981)	less than 5
4. pH ₂₀ of aqueous extract	-	9,2	R=0,08	PN-84/ P-50109 (eqv ISO 6588:1981)	from 7,5 to 10,0

¹⁾ precision: S-standard deviation, R-difference between the two duplicates.

5.4. Testing person: **U. Janiga, A. Świętonowska, M. Ciepliński.**

Head of Laboratory of Paper Quality

Elzbieta Baranek
Elzbieta Baranek, Dr eng. mech.

The report was made in two equal-sound copies with appointment:

- copy no 1 - for the Orderer

- copy no 2 - for the Performer (Institute of Biopolymers and Chemical Fibres)

Notes:

1. The examinations results refer only to the examined sample.
2. Test report belongs to the orderer and can be used only upon his agreement.
3. Without agreement of our laboratory this test report can be reprinted only as a whole.
4. The owner of the test report when utilizes the results is obliged to inform that the results were obtained in Laboratory of Paper Quality of Institute of Biopolymers and Chemical Fibres in Łódź which is accredited by PCA and has certificate no AB 065 with enclosure stating the accreditation scope.
5. You have right to complaint during 30 days since of date receive test report.

The scope of accreditation includes testing of: paper, board, pulp, tissue, transport packages, cores and auxiliary agents, wastes, wastewaters and process waters in pulp and paper industry.



Laboratory of Paper Quality

Tel./Fax. +42 636 88 23, Tel. +42 638 03 50, e-mail: jcplpap@ibwch.lodz.pl, elabaranek@ibwch.lodz.pl


Your reference: **date on 26.11.2009**

Łódź, 22.12.2009

Statement to Test report No. 283

Copy no¹

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CHAUSSEE DE LA HULPE 166, B - 1170 BRUSSELS**
2. Examined object -marking of the sample in laboratory:
sample of paper "Rey ADAGIO", 01-BLUE, 80 gsm, size A4, one ream (a` 500 sheets).
Marking of the sample in laboratory: **283.**
3. Date of getting the samples: **30.11.2009.**
4. Sampling: **the Orderer - INTERNATIONAL PAPER S.A., USINE DE SAILLAT-SUR-VIENNE, BP1 SAILLAT SUR VIENNE, 87206 SAINT JUNIEN CEDEX FRANCE**
5. Statement:
**Tested paper meet requirements of the standard EN ISO 9706:1998 (idt ISO 9706:1994)
„Information and documentation - Paper for documents - Requirements for permanence”.**

Head of Laboratory of Paper Quality

Elzbieta Baranek, Dr eng. mech.

POLSKIE CENTRUM AKREDYTACJI
POLISH CENTRE FOR ACCREDITATION



Sygnatariusz EA MLA
EA MLA Signatory

CERTYFIKAT AKREDYTACJI
LABORATORIUM BADAWCZEGO
ACCREDITATION CERTIFICATE OF TESTING LABORATORY
Nr AB 065

Potwierdza się, że: / This is to confirm that:

INSTYTUT BIOPOLIMERÓW I WŁÓKIEN CHEMICZNYCH
LABORATORIUM JAKOŚCI PAPIERU
ul. M. Skłodowskiej-Curie 19/27, 90-570 Łódź

spełnia wymagania normy PN-EN ISO/IEC 17025:2005
meets requirements of the PN-EN ISO/IEC 17025:2005 standard

Akredytowana działalność jest określona w Zakresie Akredytacji Nr AB 065
Accredited activity is defined in the Scope of Accreditation No AB 065

Akredytacja pozostaje w mocy pod warunkiem przestrzegania
wymagań jednostki akredytującej określonych w kontrakcie Nr AB 065
This accreditation remains in force provided the Laboratory observes
the requirements of Accreditation Body defined in the Contract No AB 065

Certyfikat akredytacji ważny do dnia 02.07.2010 r.
The certificate of accreditation is valid until 02.07.2010

Akredytacji udzielono dnia 02.07.1996 r.
Accreditation was granted on 02.07.1996



DYREKTOR
POLSKIEGO CENTRUM AKREDYTACJI

Karol Hauptmann
KAROL HAUPTMANN

Warszawa, dnia 17 lipca 2007 roku