



Certificate of Approval

Awarded to

SOPORCEL – Sociedade Portuguesa de Papel, S.A.
LAVOS
3081-851 FIGUEIRA DA FOZ

Bureau Veritas Quality International Portugal Lda, certify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the quality standards detailed below

QUALITY STANDARDS

NP EN ISO 9001:2000

SCOPE OF SUPPLY

**PRODUCTION AND DEVELOPMENT ACTIVITIES OF EUCALIPTUS PULP AND
PRINTING AND WRITING PAPERS**

Original approval date: **01 . April . 2003**

*Subject to the continued satisfactory operation of the organization's
Quality Management System, this Certificate is valid until:*

01 . April . 2006

Date: **08 . September . 2003**



By BVQI Portugal, Lda
Praga Bernardo Soares, nº 5 B
1900 – 098 Lisboa
PORTUGAL



Certification

Awarded to

SOPORCEL

Sociedade Portuguesa de Papel, SA.

Lavos

3081 - 851 FIGUEIRA DA FOZ

PORTUGAL

BVQI certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standards

NP EN ISO 14001: 1999

Scope of supply

Development Manufacture Activities of Bleached Eucalyptus and Printing and Writing Paper Grades.

Original Approval Date: **20 February 2001**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid

Until: **20 February 2007**

To check this certificate validity please call (+351 21 710 09 70)

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation

Certificate Number: 155482

Date: 2 September 2004

Issuing Office:
BVQI Portugal Lda.
Estrada do Paço do Lumiar
Polo Tecnológico, Lote 17
Edifício Rinave
1600 - 485 LISBOA
PORTUGAL



DECLARATION

Product Content

According to current production recipes typical content of Soporcel grades are as described below:

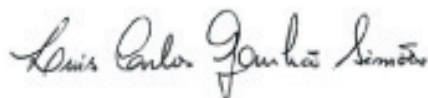
- ECF bleached kraft pulp*

ECF hardwood kraft pulp (Eucalyptus) – Made by Soporcel

ECF softwood kraft pulp (Nordic Pine) – Mainly from Finland

* No recycled pulp is used.

- Filler, PCC (Precipitated Calcium Carbonate)
- Starch
- Water
- Retention aids, hydrophobic sizing agent and optical brighteners, all of them in accordance with FDA regulations or European Standards and in quantities that are worldwide used and safe.



Luís Simões
Product Engineer
Mill Technical Service

09 September 2004

Product	Soporset Premium Offset
Company	Soporcel - Sociedade Portuguesa de Papel, S.A.
Site	Figueira da Foz

Information gathered from January 2003 to December 2003

Environmental product declaration for paper

Environmental Management

Certified environmental management system (at the mill since) **ISO 14001, Feb.2001**

Environmental aspects of wood procurement 100% of the wood consumption (eucalyptus) originates from plantations established on set aside land for agriculture or unoccupied land. The logging takes place in accordance with the national laws. Working towards PEFC forest certification in company's own forests.

Environmental parameters

The figures are based on methods and procedures of measurement approved by the local (or national) environmental regulators at the production site.

The figures include both paper and pulp production.

Water	COD	15	kg/t
	AOX	0,26	kg/t
	N_{Tot}	0,09	kg/t
	P_{Tot}	0,11	kg/t

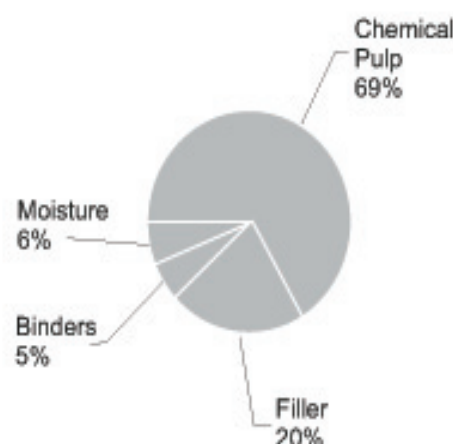
Air	SO₂	1,42	kg/t
	NO_x	1,24	kg/t
	CO₂ (fossil)	137	kg/t

Solid waste landfilled	28	BDkg/t
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Purchased electricity consumption

/ tonne of final product	540	kWh
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Product composition



More information

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FOLIO SHEETS

60g/m² 70g/m² 80g/m² 90g/m² Tolerance

OPTICAL PARAMETERS

	ISO 11475	155	155	155	155	+/- 3
	ISO 2470	109	109	109	109	+/- 3
	ISO 2471	87	91	94	95	- 2

PHYSICAL PARAMETERS

	ISO 536	60	70	80	90	+/- 2 (60) +/- 3 (70) +/- 4 (80/90)
	ISO 534	80	92	106	116	+/- 3
	ISO 2493	50/20	70/25	100/35	140/50	Minimum
	ISO 1924/2	4,0	4,5	4,5	5,0	Minimum
	ME-PAP-010	25	30	30	30	Minimum
	ISO 5636/3	1700	1700	1700	1700	Maximum
	ISO 8791/2	150	150	150	150	+/- 40
	ISO 287	6,2	6,2	6,0	6,0	+/- 1,0

Additional Information



FOLIO SHEETS

		100g/m ²	110g/m ²	120g/m ²	Tolerance
OPTICAL PARAMETERS					
	ISO 11475	155	155	155	+/- 3
	ISO 2470	109	109	109	+/- 3
	ISO 2471	96	97	98	- 2

PHYSICAL PARAMETERS

	ISO 536	100	110	120	+/- 4
	ISO 534	128	141	150	+/- 3
	ISO 2493	180/70	220/90	260/110	Minimum
	ISO 1924/2	5,5	5,5	6,0	Minimum
	ME-PAP-010	30	30	30	Minimum
	ISO 5636/3	1700	1700	1700	Maximum
	ISO 8791/2	150	150	150	+/- 40
	ISO 287	5,8	5,8	5,8	+/- 1,0

Additional Information



FOLIO SHEETS

135 g/m² 150 g/m² 170 g/m² 190 g/m² Tolerance

OPTICAL PARAMETERS

	ISO 11475	155	155	155	155	+/-3
	ISO 2470	109	109	109	109	+/-3
	ISO 2471	95	97	98	98	Minimum

PHYSICAL PARAMETERS

	ISO 536	135	150	170	190	+/-5%
	ISO 534	155	172	205	230	+/-6%
	ISO 8791/2	150	150	200	200	+/-50 -75/+50
	ISO 287	6	6	6	6	+/-1%

Additional Information



FOLIO SHEETS

225 g/m² 250 g/m² 300 g/m² 350 g/m² Tolerance

OPTICAL PARAMETERS

	ISO 11475	155	155	155	155	+/-3
	ISO 2470	109	109	109	109	+/-3
	ISO 2471	98	98	98	98	Minimum

PHYSICAL PARAMETERS

	ISO 536	225	250	300	350	+/-5%
	ISO 534	275	305	365	425	+/-6%
	ISO 8791/2	200	200	200	200	-75/+50
	ISO 287	6	6	6	6	+/-1%

Additional Information



FOLIO SHEETS

75 g/m² 80 g/m² 90g/m² 100g/m² 120g/m² Tolerance

OPTICAL PARAMETERS

	ISO 11475	164	164	164	164	164	+/- 3
	ISO 2470	111	111	111	111	111	+/- 3
	ISO 2471	93	95	96	97	98	- 2

PHYSICAL PARAMETERS

	ISO 536	75	80	90	100	120	+/- 3 (75) +/- 4 (80-120)
	ISO 534	103	108	115	118	126	+3 / -2 (75) +/- 3 (80,90) +/- 2 (100/120)
	ISO 2493	100/35	120/45	150/60	170/60	220/90	Minimum
	ISO 1924/2	5,0	6,0	6,5	7,0	8,0	Minimum
	ME-PAP-010	25	30	30	40	45	Minimum
	ISO 5636/3	1700	1700	1700	1700	1700	Maximum
	ISO 8791/2	180	150	150	100	50	+/- 40 (75/80/90) +/- 30 (100/120)
	ISO 287	5,0	5,0	5,0	5,0	5,0	+0,3 / -0,4 %

Additional Information



FOLIO SHEETS

135 g/m² 160 g/m² 250 g/m² Tolerance

OPTICAL PARAMETERS

	ISO 11475	164	164	164	+/-3
	ISO 2470	111	111	111	+/-3
	ISO 2471	96,5	97,5	98	Minimum

PHYSICAL PARAMETERS

	ISO 536	135	160	250	+/-5%
	ISO 534	140	170	275	+/-5 % (160) +/- 6% (135,250)
	ISO 8791/2	50	50	80	≤ 90 (135,160) ≤ 130 (250)
	ISO 287	5	5	6	+/- 0,5% (135,160) -1% / + 0,5% (250)

Additional Information
