



Certificate BR02/00678

The management system of

**SANTHER - Fábrica de Papel
Santa Therezinha S/A
(Unidade de Negócio Papéis
Especiais/Exportação)**

R. Aracati, 275 - Penha
São Paulo - SP - 03630-900 - BR

has been assessed and certified as meeting the requirements of the standard:

ISO 9001:2008

For the following activities:

**Development, production, commercialization and exportation of
special application paper products.**

Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2008 requirements may be obtained by consulting the organisation.

This certificate is valid from 19 November 2014 until 19 November 2017
and remains valid subject to satisfactory surveillance audits.
Recertification audit due before 19 October 2017
Version no 7. Certified since: 28 November 2002
This is a translation of certificate BR02/00678

This is a multi-site certification. Additional site details are listed
on the subsequent page.

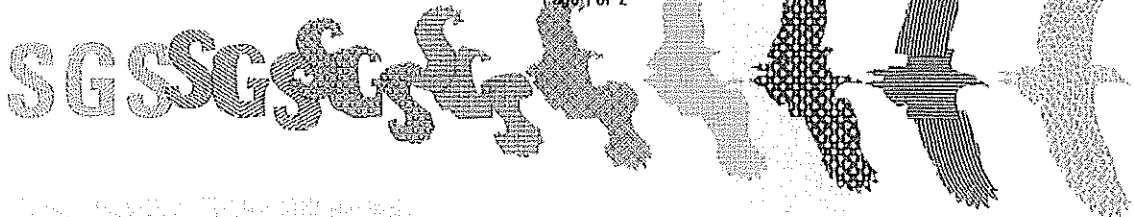
Autorised by

Vanda Nunes
Director

SGS ICS Certificadora Ltda.
Avenida Andrômeda, 832 - 5ª. and
06473-000 - Barueri - SP - Brasil
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www.br.sgs.com



Accredited by Member of the International
Accreditation Forum Multilateral Recognition
Arrangement for Quality Management System





Certificate BR02/00678, continued

**SANTHER - Fábrica de Papel Santa
Therezinha S/A
(Unidade de Negócio Papéis
Especiais/Exportação)**



ISO 9001:2008

Issue 7

Additional facilities

Unidade Guaíba
Vila Passo Fundo, s/nº
Guaíba - RS - 92500-000 - BR



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Accredited by Member of the International
Accreditation Forum Multilateral Recognition
Arrangement for Quality Management System



Certificate SGS-COC-010645

The management system of

SANTHER - Fábrica de Papel Santa Therezinha S/A

Vila Passo Fundo, s/n°
Guaíba, RS, 92500-000, Brasil



has been assessed and its products certified as meeting the requirements of

Chain-of-Custody

The company was assessed against the following standards:
FSC-STD-40-004 V2-1 Standard for COC Certification – October 2011
and
FSC-STD-50-001 V1-2 Standard Requirements for use of the FSC trademarks by
Certificate Holders - November 2010

for the products detailed in the scope below

This certificate is valid from 11 February 2016 until 10 February 2021
Issue 1. Certified since February 2016
SGS Ref # BR16/9288

Authorised by

SGS South Africa (Pty) Ltd, Qualifor Programme
PO Box 90 Gallo Manor 2052, Harrowdene Office Park Building 1 Western Service Road Woodmead
Johannesburg 2191 South Africa
t +27 (0) 11 800-1000 f +27 (0) 11 800-1020 <http://www.sgs.com/en/Agriculture-Food/Forestry/>



The mark of
responsible forestry

The validity of this certificate shall be verified on <http://info.fsc.org/>
For the full list of product groups covered by the certificate see <http://info.fsc.org/>
This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified (or FSC Controlled Wood).
Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is
clearly stated on invoices and shipping documents

This certificate remains the property of SGS and shall be returned upon request.

Page 1 of 2



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prosecuted to the fullest extent of the law.



Certificate SGS-COC-010645, continued

SANTHER - Fábrica de Papel Santa Therezinha

Chain-of-Custody



Issue 1

Detailed scope

Purchase of FSC Mix pulp, production, conversion and sale of FSC Mix special papers - Transfer System.

Compra de celulose FSC Misto, produção, conversão e venda de papéis especiais FSC Misto pelo Sistema de Transferência.

Additional facilities

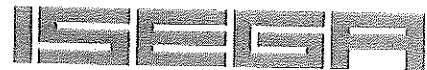
**Av. Eusébio Matoso, 1375 – 9º andar , Pinheiros
São Paulo, SP, 05423-180, Brasil
(Corporate Office-EC – Purchasing)**

**Rod. Capitão Barduíno, Km98 , Curitibaanos
Bragança Paulista , SP, 12924-840, Brasil
(UFH – Sales Office)**



**The mark of
responsible forestry**

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Forschungs- und Untersuchungs-
Gesellschaft mbH Aschaffenburg

Dr. Ralph Derra
Öffentlich bestellter und vereidigter Sachverständiger für
Verpackungsmaterialien, Boden- und Luftanalysen;
Sachverständiger in der Wasseranalytik

5 August 2016
Dr. Dr/Hf-pf

UNBEDENKLICHKEITSERKLÄRUNG
CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE

eingetragen
registered no.
registré

42926 U 16

für Firma
for Messrs
pour MM

Santher - Fábrica de Papel Santa Therezinha S/A
Rua Aracati, 275 Penha
03630-900 Sao Paulo
Brazil

Produkt
Product
Produit

SANFRESH

The product manufactured by the company mentioned above is a paper grades which is used for food packaging.

It was examined by us according to the

"Methoden zur Untersuchung von Papieren, Kartons und Pappen für Lebensmittelverpackungen", Stand 2008, entsprechend der Vorschrift Nr. 80.56 in der Amtlichen Sammlung von Untersuchungsverfahren nach § 64 des Lebensmittel- und Futtermittelgesetzbuchs - LFGB,

("Methods for testing papers and boards for food packaging", state of 2008, corresponding to the method no. 80.56 within the Official Collection of Test Methods according to § 64 of the Foodstuffs and Animal Feed Code - LFGB),

and according to the demands of the

Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I (1 April 2016 edition), § 176.170,

- 2 -

for the used raw materials, fabrication additives and special paper finishing agents as well as for the release of substances which might endanger health.

The paper grade is in compliance with the rules of the

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union L 338/4 of 13.11.2004, modified by app. no. 5.17 of the regulation (EC) No 596/2009 of 18 June 2009, Official Journal of the European Union L 188 of 18 July 2009, article 3,

as well as of the

Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (Lebensmittel- und Futtermittelgesetzbuch - LFGB) in der Fassung der Bekanntmachung vom 3. Juni 2013 (BGBl. I S. 1426), zuletzt geändert durch Artikel 1 der Verordnung vom 26. Januar 2016 (BGBl. I S. 108), §§ 30 und 31,

(Foodstuffs, Consumer Goods and Animal Feed Code (Foodstuffs and Animal Feed Code - LFGB) in the version of the notification of 3 June 2013 (BGBl. p. 1426), last amendment by article 1 of the Decree of 26 January 2016 (BGBl. I p. 108), §§ 30 and 31),

and is approved according to the

Deutsche Empfehlung XXXVI zur gesundheitlichen Beurteilung von Materialien und Gegenständen für den Lebensmittelkontakt im Rahmen des Lebensmittel- und Futtermittelgesetzbuches, 34. Mitteilung, Bundesgesundheitsblatt 10, 14 (1967), einschließlich 219. Mitteilung, Bundesgesundheitsblatt 58, 1195-1197 (2015), Stand vom 01.07.2015,

(German Recommendation XXXVI for the health-related evaluation of materials and objects for the contact with foodstuffs in the frame of the Foodstuffs and Animal Feed Code, 34th memorandum, Bundesgesundheitsblatt 10, 14 (1967), including the 219th memorandum, Bundesgesundheitsblatt 58, 1195-1197 (2015), state of 1 July 2015).

Furthermore, the paper grade is in compliance with the demands of the

Code of Federal Regulations, Food and Drugs (FDA), 21 CFR Ch. I (1 April 2016 edition), §§ 176.170 and 176.180.

Thus the paper grade SANFRESH according to the sample material submitted may be used safely for food packaging. It may stand in direct contact with dry, moist and fatty foodstuffs.

This certificate of compliance has a validity of 2 years. It consists of 4 pages.

Wichtige Informationen: Dieses Zertifikat ist
gültig bis zum 31.12.2017. Es besteht aus
4 Seiten. Die Prüfungen sind im Anhang
aufgeführt. Das Zertifikat ist nur
dann gültig, wenn alle Prüfungen bestanden
sind. Die Prüfungen sind im Anhang
aufgeführt.



(Höbert)
Officially certified
and authorized food
chemist

The translation of the above stamps is given on page 4.
La traduction des estampilles est donnée en page 4.



Staatlich anerkannter Sachverständiger zur Untersuchung der Gegenproben von Verpackungsmitteln aus Papier, Pappe, Kunststoffen, Glas, Weißblech und sonstigen Metallverpackungen auf ihre lebensmittelrechtliche Unbedenklichkeit

Dr. Ralph Derra

Authorized expert for the analyses of packaging materials, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse des matériaux d'emballage, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

State registered expert for the analysis of contrasting samples of packaging materials of paper, board, plastics, glass, tin plate and other metallic packaging materials as to their suitability for use with foodstuffs.

Expert public pour l'étude du control des contre-échantillons d'emballages de papier, cartons, plastiques, verre, fer-blanc et d'autres emballages métalliques concernant leur conformité alimentaire.



Dr. Ralph Derra

Authorized expert for the analyses of soil and air, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse du sol et de l'air, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

Die Rücklagen des untersuchten Materials werden bei der Gutachterstelle verwahrt.
A file sample of the tested material is kept at the expert's office.
Réserve du matériel analysé est gardée au bureau de l'expert.

FICHA TÉCNICA / DATA SHEET



Produto/Product: **SANFRESH**

Código/Code: FRE 18 ▼

Característica / Characteristic	UNIDADE / UNIT	LIMITE INFERIOR / LOWER RANGE	LIMITE SUPERIOR / HIGHER RANGE	MÉTODO DE ENSAIO REFERENCIAL / TEST METHOD
Gramatura / Basis weight	g/m ² / gsm	17,1	18,9	TAPPI T-410
Espessura / Thickness	µm	25	35	TAPPI T-411
Umidade / Moisture Absolute	%	3,0	6,0	TAPPI T-412
Resistência à tração long./ Tensile strength MD	kgf/15mm	1,30	1,80	TAPPI T-494
Resistência à tração transv./Tensile strength CD	kgf/15mm	0,60	1,50	TAPPI T-494
Resistência ao rasgo long./ Tear Resistance MD	gf	9	20	TAPPI T-414
Resistência ao rasgo trans. / Tear Resistance CD	gf	13	20	TAPPI T-414
Alvura / Brightness	% ISO	90	93	TAPPI T-461

CARACTERÍSTICAS GERAIS / GENERAL CHARACTERISTICS

Aspectos Gerais: O papel deve estar isento de quaisquer outros defeitos prejudiciais ao processo do cliente, sujeitos a verificação por parte da Santher.

General Aspects: The paper must be free of prejudicial defects to customer process, subject to verification by Santher.

gf = 9,8066 mN

kgf/cm² = 98,07 KPa

kgf/15mm = 0,65378 kN/m

Largura / Width: 0 / + 3mm

Diâmetro / Diameter: - 5% / + 10 mm

Splice / Joint : Maximum 2 with minimum distance 15cm between the seams.

EP44