



The detailed composition of below mentioned coating material has been disclosed to **RCC Product Certification Services** by **Balzers AG, Balzers / Fürstentum Liechtenstein** with letter of August 11, 2003.

The coating is considered as ceramic material and was evaluated according to regulations set out on page 2-4 of this certificate. Analytical investigations such as determination of the overall migration and determination of the specific migration of certain elements were performed within RCC's laboratories. Based on our evaluation we herewith can confirm that

## **BALINIT A (Titanium Nitride)**

under technically acceptable conditions does not release elements into food at concentrations which may endanger human health, and may therefore be used in contact with food in the following countries:

**Austria / Belgium / Denmark / EU<sup>1)</sup> / Finland / France / Germany / Greece /  
Iceland / Republic of Ireland / Italy / Luxembourg / The Netherlands /  
Norway / Portugal / Spain / Sweden / Switzerland / United Kingdom**

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**Please note:** This certificate is limited to the formulation disclosed to RCC as mentioned above. Any change of the formulation will void the certificate automatically. Any changes in this formulation must be addressed to RCC immediately.

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Dr. A. Tschech



P. Bodmer

Ittingen, August 26, 2003  
Expiration date: August 26, 2006  
RCC Project 850719 / BOP

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**RCC PRODUCT CERTIFICATION SERVICES** – accredited by the Competent Authorities according to EN 45011 as CERTIFICATION BODY operating product certification – an individual department of RCC Ltd.  
Accredited services are defined in the official directory of accredited Certification Bodies SCES 019





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## AUSTRIA

- Verordnung des Bundesministers für Gesundheit, Sport und Konsumentenschutz über Gebrauchsgegenstände aus Keramik und Gebrauchsgegenstände mit einem Überzug aus Email. BGBl. Nr. 893/1993, ausgegeben am 23/12/1993

## BELGIUM

- Arrêté Royal du 11 mai 1992 concernant les matériaux et objets destinés à entrer en contact avec les denrées alimentaires - Ministère de la Santé publique et de l'Environnement, published in the Moniteur Belge, No. 143 of 24/07/1992, page 16719.

## DENMARK

- Fødevaredirektoratets Bekendtgørelse nr. 847 af 15/10/2002 om materialer og genstande bestemt til kontakt med fødevarer. Fødevareministeriet. Fødevaredirektoratet, J. nr. FA 3101-490/01
- Fødevaredirektoratets cirkulære nr. 9575 af 25/11/2002 om kontrol med materialer og genstande bestemt til kontakt med fødevarer.

## EUROPEAN UNION

- COUNCIL DIRECTIVE (89/109/EEC) of 21 December 1988 on the approximation of the laws of the Member States relating to materials and articles intended to come into contact with foodstuffs.
- COUNCIL DIRECTIVE (84/500/EEC) of 15 October 1984 on the approximation of the laws of the Member States relating to ceramic articles intended to come into contact with foodstuffs.

## FINLAND

- Kauppa- ja teollisuusministeriön päätös elintarvikkeen kanssa kosketukseen joutuvista keraamisista tarvikkeista (267/92) 20/03/1992

## FRANCE

- Arrêté ministériel du 07/11/1985 relatif à la limitation des quantités de plomb et de cadmium extractibles des objets en céramique mis ou destinés à être mis au contact des denrées, produits et boissons alimentaires. J.O. du 01/12/1985, p 13942

## GERMANY

- Bedarfsgegenständeverordnung (Consumer Goods Ordinance) of the Federal Ministry of Health in the version as published on December 23, 1997<sup>(1)</sup>

<sup>(1)</sup> - published in the Bundesgesetzblatt (I 1998 S. 5)



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## GREECE

- Decision Ministerielle No. 1597/86 , FEK B No. 41/03-02-87

## ICELAND

Ceramic materials in compliance with appropriate food packaging material legislations of other member states of the European Union may -according to our experience- be acceptable to the authorities of Iceland.

## REPUBLIC OF IRELAND

- The Official Journal of the European Communities n° L 277, of 20.10.1984, p.12 (S.I. No. 307 of 1991)

## ITALY

- Disciplina igienica degli imballaggi, recipienti, utensili, destinati a venire in contatto con le sostanze alimentari o con sostanza di uso personale - Decreto Ministeriale 21 MAR 1973 (published in the Gazzetta Ufficiale no. 104 del 20/04/1973).
- Aggiornamento del decreto ministeriale 21 marzo 1973, concernente la disciplina igienica degli imballaggi, recipienti, utensili destinati a venire in contatto con le sostanze alimentari e con sostanze d'uso personale. Gazzetta Ufficiale no. 120 del 23/05/1985 pag. 3660

## LUXEMBOURG

- Règlement grand-ducal du 22/02/1985, Mémorial Grand-Ducal A Numéro 10 du 1/03/1985, Page 178.

## NETHERLANDS

- Warenwet (W15/Aanv. 262, 7-2001)

## NORWAY

- Regulations of 21 December 1993 No 1381 on materials and articles intended to come into contact with foodstuffs. Chapter VI Ceramics and Annex IV.

## PORTUGAL

- Decreto-Lei n° 193/88, of 30/05/1988. Diário da República I, n° 125 of 30/05/1988, p. 2324.
- Norma Portuguesa NP-2098 de 1986: Louça cerâmica em contacto com alimentos. Determinação do chumbo e do cádmio. Despacho Decreto Regulamentar n°163, III series, of 18/07/1986
- Norma Portuguesa NP-2099 de 1988: Louça cerâmica em contacto com alimentos. Limites admissíveis para o chumbo e cádmio. Decreto Regulamentar n° 92, III series, of 30/04/1988



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### SPAIN

- Real Decreto número 1043/90 de 27/07/1990, por el que se aprueba la Instrucción Técnico-Sanitaria sobre objetos de cerámica para uso alimentario; BOE número 191 de 10/08/1990, Página 23472 (Marginal 19683)
- Corrección de erratas del Real Decreto número 1043/90 de 27/07/1990; BOE número 256 de 25/10/1990, Página 31363 (Marginal 25807)
- Real Decreto número 397/90 de 16/03/1990, por el que se aprueban las condiciones generales de los materiales para uso alimentario, distintos de los poliméricos; BOE número 74 de 27/03/1990, Página 8562 (Marginal 7739)

### SWEDEN

- Statens livsmedelsverks kungörelse med föreskrifter och allmänna råd om material och produkter avsedda att komma i kontakt med livsmedel, Statens livsmedelsverks författningssamling (SLVFS) 1993:18 reprinted 1997:9

### SWITZERLAND

- Verordnung über Gebrauchsgegenstände vom 1/03/1995.

### UNITED KINGDOM

- Ceramic Ware (Safety) Regulations 1988; Statutory Instrument 1988 No.1647



Eidgenössisches Amt für Messwesen  
Office fédéral de métrologie  
Ufficio federale di metrologia  
Swiss Federal Office of Metrology



S Schweizerische Akkreditierungsstelle  
A Service d'accréditation suisse  
S Servizio d'accréditamento svizzero  
S Swiss Accreditation Service

# ACCREDITATION

Based on the Accreditation and Designation Ordinance  
dated 17<sup>th</sup> June 1996  
the Swiss Federal Office of Metrology grants the

**RCC Ltd**  
**RCC Product Certification Services**  
**Landstrasse 33**  
**CH-4452 Itingen BL**

accreditation as a

**Certification body for Foodstuffs and Food Contact Materials,  
Feedingstuffs, Medical Devices, Industrial Chemicals,  
Toys and Cosmetics**

in accordance with SN EN 45011.

The accredited scope of certification is defined in the Official  
Directory of the Accredited Certification Bodies in Switzerland.

The relevant requirements of the ISO 9002 standard  
are also covered by this accreditation.

Accreditation number: SCES 019

Date of the accreditation: 16<sup>th</sup> September 1994

Date of the last renewal of the accreditation: 9<sup>th</sup> August 1999

The accreditation is valid until: 8<sup>th</sup> August 2004

Wabern, 9<sup>th</sup> August 1999

Swiss Federal Office of Metrology

The Director

The Head of SAS

Dr Wolfgang Schwitz

Hanspeter Ischi

SAS is a signatory of the multilateral agreements of the European co-operation for Accreditation (EA)  
for calibration, testing and certification of products, personnel, quality and environmental management systems.