



**WTConsulting GMBH**

WIETSCHORKE TSCHECH & PARTNER

Consultants in Regulatory Affairs and Science

**CERTIFICATE FOR**

**BALINIT<sup>®</sup> HARD CARBON**

**BALINIT<sup>®</sup> MAYURA**

A PRODUCT OF

**OERLIKON SURFACE SOLUTIONS AG**

**9496 BALZERS / LIECHTENSTEIN**

ISSUED BY

**WTC CERTIFICATION SERVICES**

**WTConsulting GmbH**

Weierweg 7

4410 Liestal

Switzerland

Phone +41 (0)61 923 30 00

Fax +41 (0)61 923 30 02

[www.wtconsulting.ch](http://www.wtconsulting.ch)



# CERTIFICATE

of compliance with  
regulations of food contact materials applying in  
the European Union and the United States

for

## **BALINIT<sup>®</sup> HARD CARBON, BALINIT<sup>®</sup> MAYURA**

used as surface coating for repeat-use food processing and food packaging equipment

Detailed information on the chemical composition of BALINIT<sup>®</sup> HARD CARBON and BALINIT<sup>®</sup> MAYURA, the coating process and the properties of coated surfaces was provided to WTC Certification Services by Oerlikon Surface Solutions AG / Liechtenstein in October 2022. The coating in its final form provides wear resistance and a chemically inert surface.

Compliance of BALINIT<sup>®</sup> HARD CARBON and BALINIT<sup>®</sup> MAYURA with food contact requirements of US-FDA and European Regulations was evaluated. Calculation of worst case migration from coated surfaces indicated that only extremely low residues are to be expected in food from repeated use of coated food processing equipment. Comparison to literature values confirms that any consumer exposure will be within safe limits.

Based on the evaluation it is concluded that repeated use of BALINIT<sup>®</sup> HARD CARBON and BALINIT<sup>®</sup> MAYURA coated equipment in food processing and food packaging manufacture complies with food contact regulations in the European Union (Article 3 of Regulation (EC) No 1935/2004) and with the requirements of the US-FDA for indirect food additives (21 CFR 174).

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**Limitations/Specifications:** This certificate is limited to the information provided to WTC as mentioned above. Any changes to the formulation or coating process will void the certificate and must be reported to WTC immediately.

Dr. A. Tschech

U. Wietschorke

WTC CERTIFICATION SERVICES

Liestal, November 9, 2022  
Expiration date: November 9, 2025  
WTC Project 1291-4

**WTC Certification Services**  
Weierweg 7  
4410 Liestal  
Switzerland