



# NORMPACK CERTIFICATE

Registration number: 006 08 100 3190 39

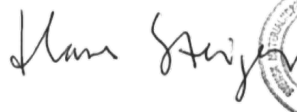

Valid until: 2025-08-08

DESCRIPTION	Company / address	Uddeholms AB Uvedsvägen, SE-683 85 Hagfors, Sweden
	Trade Name (type and/or art.no)	Uddeholm steel grades low tempered STAVAX ESR, MIRRAX 40, IDUN, RAMAX HH, ROYALLOY and low tempered ELMAX
	All layers in the material, starting with food contact layer	Steel
	Substances with restrictions / SML	No
	Dual use substances	No

Assessed according to:	(EC) No 1935/2004 Framework regulation, The Dutch Packaging and Food-Utensils Regulation (Warenwet), Netherland
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SUITABILITY	Evaluated and suitable for food types:	All foodtypes except acidic foods
	Evaluated and suitable for time and temperature:	OM6 conditions: High temperature applications including long term storage at room temperature and below.
	Single use / Repeated use	Repeated use
	Other restrictions and specifications	Not evaluated for acidic foods. Migration tests to distilled water as worst case.

TESTS / CALCULATIONS	Overall Migration	Overall migration has been performed on the whole construction to food simulant distilled water as worst case, at conditions 4 hours 100°C. Results < 10 mg/dm <sup>2</sup>
	Specific migration	Specific migration of heavy metals has been performed on the whole construction by analysis to food simulant distilled water at conditions 4 hours 100°C.  Results < SML mg/kg
	Set off	Not applicable
	Surface to volume	Surface to volume ratio applied 6 dm <sup>2</sup> per kg of food
	Organoleptic properties	Organoleptic properties have not been evaluated

VERIFICATION	Examined by Normpack's secretariat, ensuring that the above material(s) / product(s) at the time of issue of the certificate is/are consistent with the material specific requirements in the Normpack Norm (see back page of certificate) and that a complete documentation does exist. The processor is responsible for fulfilling all legal requirements. This certificate is valid for two years provided that no changes are made in the composition of the material or in the relevant legal requirements. For verification of validity, contact normpack@ri.se.	2023-08-08
		  Hans Steijer

# NORMPACK

## THE NORMPACK NORM

amended 2022-11-16

- § 1. Materials and articles in contact with food shall meet the demands of Swedish or EU harmonized regulations, as amended:

Swedish regulations	EU-regulations - all materials	EU-regulations - specific materials
<a href="#">SFS 2006:804</a> <a href="#">SFS 2006:813</a> <a href="#">LIVSFS 2011:7</a> <a href="#">(Contact with Foods)</a>	<a href="#">(EC) 1935/2004 (Framework reg)</a> <a href="#">(EC) 2023/2006 (GMP)</a> <a href="#">(EC) 178/2002 (General Food Law)</a> <a href="#">(EC) 1333/2008 (Additives)</a> <a href="#">(EC) 1334/2008 (Flavourings)</a>	<a href="#">(EC) 450/2009 (A&amp;I packaging)</a> <a href="#">84/500/EEC (Ceramics)</a> <a href="#">2007/42/EC (Cellophane)</a> <a href="#">93/11/EEC (N-nitrosamine)</a> <a href="#">(EC) 1895/2005 (Epoxy)</a> <a href="#">(EU) 10/2011 (Plastic)</a> <a href="#">(EU) 2022/1616 (Recycled plastic)</a> <a href="#">(EU) 2018/213 (Plastic-BPA)</a>

- § 2. For materials not covered by Swedish or EU harmonized food contact material regulation, one of the following regulations should be used:

Warenwet	BfR	FDA
<a href="#">The Dutch Packaging and Food-Utensils Regulation (Warenwet), Netherland</a>	<a href="#">Empfehlungen des Bundesinstitutes für Risikobewertung (BfR), Germany. Recommendations on</a>	<a href="#">Code of Federal Regulations, Title 21 Food and Drugs, (FDA), USA §§ 174, 175.</a>

- § 3. To ensure correct use, suppliers and purchasers throughout the value chain shall confer about the suitability of the material/article for the intended purpose.

- § 4. The transfer of constituents from the food contact material to food shall be assessed. If there is a limit regulating materials/articles, the following alternative methods are suggested to establish whether the material/article meets the demands:

- Worst case calculations
- Migration modelling
- Laboratory measurements

All in the Normpack Norm applicable laws and recommendations shall be applied in their latest updated version when issuing a certificate

Contact: [normpack@ri.se](mailto:normpack@ri.se) [www.normpack.se](http://www.normpack.se)