



**TotalEnergies**

**TotalEnergies OneTech Belgium**

Refining & Chemicals / Regulatory Affairs  
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**CERTIFICATE N° 23-ARP-C-0385**

Feluy, March 29, 2023

POLYSTYRENE CRYSTAL 1540 grade as produced in Europe

**STATEMENT OF COMPLIANCE FOR FOOD CONTACT APPLICATIONS IN MERCOSUR**

**1. STATEMENT OF COMPLIANCE**

We confirm that any monomers and additives used in the manufacturing of the here-above mentioned Product sold and supplied by TotalEnergies Refining & Chemicals, are respectively listed in Mercosur/GMC/Res. N° 02/12 Reglamento técnico MERCOSUR sobre lista positiva de monómeros, otras sustancias de partida y polímeros autorizados para la elaboración de envases y equipamientos plásticos en contacto con alimentos (up to Mercosur/GMC/RES N°19/21) and in Mercosur/GMC/Res. N° 39/19 Reglamento técnico MERCOSUR sobre lista positiva de aditivos para la elaboración de materiales plásticos y revestimientos poliméricos destinados a entrar en contacto con alimentos (derogación de la Res. GMC N° 32/07, up to Mercosur/GMC/RES N° 11/20). This Product may contain intentionally added substances and/or non-intentionally added substances with restrictions as listed in Mercosur/GMC/Res. N° 39/19 and/or N° 02/12.

**1.1. Overall Migration:**

We inform you that some overall migration tests according EN 1186-1 and EN 1186-3 were carried out on the Product or a specimen representative of this material, 100%, 1 mm thickness – single use conditions – Simulant B, C and D' - contact period: 10 days at 40°C – overall migration  $\leq 10$  mg/dm<sup>2</sup>.

According to MERCOSUR/GMC/RES N°56/92 (up to MERCOSUR/GMC/RES N°20/21), the overall migration limit has to be controlled on the finished articles intended to come into contact with foodstuffs; consequently, it is the responsibility of the end-user of the above-mentioned Product.

**1.2. Relevant information required by Resolución N°02/12 (up to N°19/21):**

<b>Substances under restriction as mentioned in the Resolución N°02/12 (up to N°19/21)</b>			
<b>Substances</b>	<b>Maximal Residual Level (ppm)</b>	<b>Reference Number or CAS Number</b>	<b>Specific Migration Limit or Restriction (ppm)</b>
Acetaldehyde	Traces*	10060	6 (SML(T)) Group 1 **

\* Unintentionally Added Substances – impurities, intermediate reaction products formed during the production process, decomposition reaction products - with restrictions as mentioned in Mercosur/GMC/Res n°39/19 may be present. The presence of these substances might depend on processing conditions. Therefore, we are not able to give a typical quantity of these substances occurring after processing of the polymer in your specific conditions of use.

\*\* Cf. Table – Part IV

**1.3. Relevant information required by Resolución N°39/19 (up to N°11/20):**

<b>Substances under restriction as mentioned in the Resolución N°39/19 (up to N°11/20)</b>			
<b>Substances</b>	<b>Maximal Residual Level (ppm)</b>	<b>Sub. MCA N° or M N° or Ref. N° or CAS N°</b>	<b>Specific Migration Limit or Restriction (ppm)</b>
Tert-Butanol	Traces*	M82	10 (SML)
Toluene	5	M14	1.2 (SML)
Ethylbenzene	50	M10	0.6 (SML)

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Xylene	50	M35	1.2 (SML)
Zinc	95	-	5 (SML)

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**2. General Use Conditions (Food Contact application)**

It pertains to downstream users of materials intended to come into contact with food, to ensure that the final materials or articles do not bring about an unacceptable change in the composition of the food or bring about a deterioration in the organoleptic characteristics which render it unfit.

It pertains to downstream users to check by appropriate tests on the final material or article the suitability for contact with different food-types and various end-use conditions. For high temperature applications tests shall be carried out under the worst foreseeable conditions of use in which physical or other changes do not take place and specific precautions must be taken during the end-use in the most severe temperatures to ensure that the polymer remains functional. The maximum testing temperature is governed by the phase transition temperature of the polymer.

**3. Note**

This document does not automatically apply to subsequent revisions of the Mercosur Food Contact Resolutions. The information provided herein is based on the best available data that we believe to be reliable and to the best of our knowledge, which will apply only to the specific Product mentioned here-above sold and supplied by TotalEnergies Refining & Chemicals and does not apply to any use in any process or in combination with any other material.

This document is prepared and provided upon the request of and without charge to our customers. TotalEnergies OneTech Belgium makes no warranties, express or implied, and assumes no liability in connection with any use of this information.

**DISCLAIMER:**

Our Statement of Compliance is only valid for the above-mentioned Product when bought from TotalEnergies Refining & Chemicals or its distributor and does not cover:

- Any modification of the above-mentioned Product by any addition of any other product or ingredient to it;
- Any prejudicial modification of the above-mentioned Product resulting from a processing of it;
- An inadequate use and/or storage of the above-mentioned Product and/or of the finished articles.

Unless specifically indicated in a regulatory document, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. Under no circumstances any products sold by TotalEnergies Refining & Chemicals are suitable for humans or animals in the following applications: (i) Implantable devices intended for human or animal body (ii) Devices intended to be used in contact with internal body fluids (iii) Devices intended to be used in contact with internal body tissues.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use.

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The present Statement of Compliance is valid for a period of 24 months starting from the date first above written and replaces any earlier Statement relating to this subject which should be considered null and void. Upon the expiration of this Statement, we can issue a new one at your request. In case of change during this period a new Statement will be issued automatically; kindly forward it to any recipient of the present Statement.

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