



**Food Contact Plastics**  
**Certificate of Conformity with the Requirements of USA FDA Code of Federal Regulations (CFR21) Section 177.1640 (Polystyrene and Rubber-Modified Polystyrene).**

**Certificate no: 2007/3342**

**Product Name:** 'Expandable Polystyrene; EPS WP 526' **Date of Issue:** 31 January 2007  
**Pira Reference No:** 06A12J2063  
**Manufacturer/Supplier:** Tabriz Petrochemical Co, Tabriz, Iran

Samples of the above product have been found to comply with the following test requirements, as specified in sections c(1) of the USA FDA Code of Federal Regulations CFR21 Section 177.1640 (Polystyrene and Rubber-Modified Polystyrene).

- The polymer shall not contain more than 0.5% of total residual styrene monomer.

Additionally, the formulation of the above product has been audited against the compositional requirements of USA FDA Code of Federal Regulations CFR21 Section 177.1640 (Polystyrene and Rubber-Modified Polystyrene). The product was also found to be in compliance with these requirements.

**Accordingly, the above resin is fully in compliance with the requirements specified in the USA FDA Code of Federal Regulations CFR21 Section 177.1640, and is suitable for use in packaging, transporting or holding all classes of foods.**

**Certified by: Dr Alistair Irvine**  
**Principal Consultant**  
**Food Packaging Safety**

Pira International

Cleeve Road, Leatherhead  
Surrey KT22 7RU United Kingdom  
Tel +44 (0) 1372 802000  
Fax +44 (0) 1372 802238

www.piranet.com



**Packaging and Packaging Waste (Essential Requirements)  
Certificate of Conformity with the Heavy Metal Requirements of  
EC Directive 94/62/EC (as amended), UK Statutory Instrument  
1165(1998) and the CONEG Regulations (USA/Canada)**

**Certificate no: 2007/3343**

**Supplier/Manufacturer:** Tabriz Petrochemical Co, Tabriz Iran

**Regarding Products:** 'Expandable Polystyrene; EPS WP 526'

**Date of Issue:** 31 January 2007

The above product is in compliance with ultimate limit (in force from 30 June 2001) specified in EC Directive 94/62/EC, as amended, 'The Packaging and Packaging Waste Directive' for the combined levels of lead, cadmium, mercury and hexavalent chromium. The product therefore also complies with the heavy metal requirements of UK Statutory Instrument 1165(1998) which enforces this Directive in the UK.

The above product is also in compliance with the limit for heavy metals contained in the CONEG regulations which are in force in a number of the states in the USA and Canada.

*The limit specified in EC Directive 94/62/EC, as amended, for the combined total of lead, cadmium, mercury and hexavalent chromium is as follows;*

- 100 mg/kg from 30 June 2001

*The limit specified in the CONEG regulations in the USA for the combined total of these elements is 100 mg per kg of packaging material.*

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**Principal Consultant**  
**Food Packaging Safety**

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**Food Contact Plastics**  
**Certificate of Conformity with the Requirements of EC Directive**  
**2002/72/EC and UK Statutory Instrument 1376(1998), as**  
**amended**

**Certificate no: 2007/3344**

**Product Name:** 'Expandable Polystyrene; EPS WP 526'

**Date of Issue:** 31 January 2007      **Pira Reference No:** 06A12J2063

**Manufacturer/  
Supplier:** Tabriz Petrochemical Co, Tabriz Iran

The above product has been tested for overall migration with the simulants and test conditions listed below. The food simulants and test conditions are those defined in EC Directive 97/48/EC and UK Statutory Instrument 1376(1998).

Food Simulants	Test Conditions	
	Duration	Temp/°C
Simulants B, C and D	10 days	40°C
Iso-octane‡	2 days	40°C

‡ Test equivalent to overall migration into olive oil over 10 days at 40°C (See ECD 97/48/EC).

The overall migration results obtained were found to be below the overall migration limits defined in EC Directive 2002/72/EC and UK Statutory Instrument 1376(1998).

Additionally, Pira have carried out an audit of the formulation of the above product. All monomers and additives contained in the formulation are approved for use in food contact plastics and are listed in EC Directive 2002/72/EC as amended. One additive is subject to a specific migration limit of 30 mg/kg or 5 mg per dm<sup>2</sup>. Based on the measured level of overall migration, the product also meets this restriction.

**The above product therefore fully meets the overall migration requirements of EC Directive 2002/72/EC and UK Statutory Instrument 1376(1998) as amended for use with all classes of foodstuff for;**

- (a) any period at temperatures up to 40°C, and/or
- (b) periods up to 2 hours at temperatures up to 70°C, and/or
- (c) periods up to 15 minutes at temperatures up to 100°C,

**as specified in EC Directive 97/48/EC.**

Users are reminded that EC Directive 2002/72/EC and UK Statutory Instrument 1376(1998) relate to finished articles/materials manufactured from plastics. Users of the above products are therefore responsible for ensuring that their finished products comply with the overall migration limit and the specific migration limits given above, by conducting appropriate tests on their finished products. Users should pay particular attention to the food types and temperature conditions under which the finished product will be used and conduct appropriate migration tests using conditions selected with the guidance of EC Directive 97/48/EC. Furthermore, users should also ensure that their finished products do not bring about an unacceptable change in the taste or odour of food products, as required by EC Regulation 1935(2004).

**Certified by: Dr Alistair Irvine**  
**Principal Consultant, Food Packaging Safety**