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Food Contact Plastics
Certificate of Conformity with the Overall Migration Requirements of EC Directive 90/128/EEC, UK Statutory Instrument 1376(1998) and their amendments.

Certificate no: 2002/2032

Product name: 'High Impact Polystyrene 7240'

Manufacturer: Tabriz Petrochemical Company

Date of Issue: 28 May 2002

Pira Ref no: 02A12J0582

Samples of typical products manufactured from the above resin have been tested for overall migration with the simulants and test conditions listed below. The food simulants and test conditions are those defined in EC Directives 97/48/EEC, and in UK Statutory Instrument 1376(1998).

Food Simulants	Test Conditions		
	Duration	Temp/°C	Test
Simulant B, C and D	10 days	40°C	TI

TI = exposure to food simulant by total immersion.

The overall migration results obtained in each case were found to comply with the overall migration limit specified in EC Directive 90/128/EEC and UK Statutory Instrument 1376(1998).

The above resin is manufactured solely from monomers which are listed without restriction in Annex II Section A of EC Directive 90/128/EEC, UK Statutory Instrument 1376(1998) and their amendments. One of these monomers has a residual limit in this legislation (butadiene, QM = 1 mg per kg of polymer). The material has been tested and found to comply with this limit. All but one of the additives used in this resin are also listed without restriction in Annex II Section A of this legislation. The resin does, however, contain 1 additive for which a specific migration limit (SML) is given in Annex II Section A of EC Directive 2001/62/EC. This additive is listed below;

- Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate (PM Ref 68320); SML = 6 mg per kg

The results of diffusion calculations of the specific migration level of this additive using an EC approved program (Migratest Lite 2000), as specified in EC Directive 2001/62/EC have shown that this limit will not be exceeded for the test conditions given above.

The above resin can therefore be used to manufacture products which fully meet the requirements of EC Directive 90/128/EEC, UK Statutory Instrument 1376(1998) and their amendments for use with all classes of foodstuff for;

- any period of time at temperatures up to and including 40°C and/or
- periods up to 2 hours at temperatures up to 70°C, and/or
- periods up to 15 minutes at temperatures up to 100°C,

as specified in EC Directive 97/48/EC and UK Statutory Instrument 1376(1998).

Users are reminded that EC Directive 90/128/EEC and UK Statutory Instrument 1376(1998) relate to finished articles/materials manufactured from plastics. Users of the above resin 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 Directive 89/109/EEC.

Certified by: Dr A M L Irvine
Section Leader
Analytical Services



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Food Simulants	Test Conditions		
	Duration	Temp/°C	Test
Simulant B, C and D	10 days	40°C	TI

TI = exposure to food simulant by total immersion.

The overall migration results obtained in each case were found to comply with the overall migration limit specified in EC Directive 90/128/EEC and UK Statutory Instrument 1376(1998).

The above resin is manufactured solely from monomers which are listed without restriction in Annex II Section A of EC Directive 90/128/EEC, UK Statutory Instrument 1376(1998) and their amendments. One of these monomers has a residual limit in this legislation (butadiene, QM = 1 mg per kg of polymer). The material has been tested and found to comply with this limit. All but one of the additives used in this resin are also listed without restriction in Annex II Section A of this legislation. The resin does, however, contain 1 additive for which a specific migration limit (SML) is given in Annex II Section A of EC Directive 2001/62/EC. This additive is listed below;

- Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate (PM Ref 68320); SML = 6 mg per kg

The results of diffusion calculations of the specific migration level of this additive using an EC approved program (Migrate Lite 2000), as specified in EC Directive 2001/62/EC have shown that this limit will not be exceeded for the test conditions given above.

The above resin can therefore be used to manufacture products which fully meet the requirements of EC Directive 90/128/EEC, UK Statutory Instrument 1376(1998) and their amendments for use with all classes of foodstuff for;

- (a) any period of time at temperatures up to and including 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 and UK Statutory Instrument 1376(1998).

Users are reminded that EC Directive 90/128/EEC and UK Statutory Instrument 1376(1998) relate to finished articles/materials manufactured from plastics. Users of the above resin 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 Directive 89/109/EEC.

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