



Harpon 326 ***Food Contact Test Results***

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Product Technical Pole

November, 2010

The glove Mapa **Harpon 326** has been tested to evaluate its capacity to be put into contact with food according to the European regulation 1935/2004 of the European parliament and the council on materials and articles intended to come into contact with food, and to French law of November 9th, 1994, dealing with materials and articles in rubber, intended to come into contact with food.

a) Volatils organic matters ⁽¹⁾

Method : Arrêté du 25/11/92 annexe III 2

Result : 0.26 % Limit : < 0.5 %

b) Peroxyde ⁽¹⁾

Method : Pharmacopée française Xème edition

Result : < 0.08 % Limit : < 0.08 %

c) Formaldehyde ⁽¹⁾

Method : directive 82/711/EC and 85/572/EC

Result : <1 mg/Kg Limit : < 3 mg/Kg



d) Aromatiques amines ⁽¹⁾

Method : directive 82/711/EC and 85/572/EC

Result : < 0.01 mg/Kg Limit : 1 mg/Kg

e) N-Nitrosamines ⁽¹⁾

Method : EN 12868

Result : < 1µg/dm² Limit : < 1µg/dm²

f) N-nitrosable substances ⁽¹⁾

Method : EN 12868

Result : < 10 µg/dm² Limit : < 10 µg/dm²

g) Globale migration ⁽¹⁾⁽²⁾

Method : EN 1186, 2 hours, 40°C

Results :

simulant	Migration (mg/dm ²)	Limit (mg/dm ²)
Acetic acid 3%	6.5	10
Ethanol 10%	2.4	10
Ethanol 50%	10.4	10
isooctane	7.3 ^{a,b}	10
Ethanol 95%	10.4 ^b	10

a: condition of test : 0.5 hours, 20°C

b: results obtained after the application of a reduction factor of 4



Conclusion :

The glove is in compliance with the European and French food contact regulation.

This glove can come into contact with all kind of non-oily foodstuff, and with oily foodstuff affected at least by a reduction factor 4, such as:

- Beverages
- Cereals, cereal products, pastry, biscuits, cakes and other bakers' wares
- Chocolate, sugar and products thereof, confectionery products, except confectionery products in paste form with fatty substances on the surface
- Fruit, vegetables and products thereof, except fruit and vegetables preserved in an oily medium and nuts in paste or cream form
- Crustaceans and molluscs not naturally protected by their shells
- meat of all zoological species (including poultry and game) fresh, chilled, salted, smoked, in the form of paste or creams;
- processed meat products (ham, salami, bacon and other);
- preserved and part-preserved meat and fish in an aqueous medium
- eggs not in shell, egg yolks and dried white of egg
- milk products except cheeses with edible rind
- vinegar
- fried or roasted food
- preparations for soups, broths, in solid or powder form (extracts, concentrates), homogenized composite food preparations, prepared dishes, with fatty substances on the surface, and in liquid or paste form without fatty substances on the surface
- yeasts and raising agents
- salt
- sauces without fatty substances on the surface
- sandwiches, toasted bread and the like containing any kind of foodstuff
- ice-creams
- dried foods
- frozen or deep-frozen foods
- concentrated extracts of an alcoholic strength equal to or exceeding 5 % vol
- cocoa powder



- coffee, whether or not roasted, decaffeinated or soluble, coffee substitutes, granulated or powdered
- liquid coffee extracts
- aromatic herbs and other herbs
- spices and seasonings in the natural state

References :

⁽¹⁾SGS CTS Rouen, rapport CL10-00168-01, 04/03/10

⁽²⁾SGS CTS Rouen, rapport CL10-04912, 23/08/10