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SATRA reference: CHM0252979/1651/CL
/A/Issue 2

Your reference:

Date of report: 26th January 2017

Samples received: 19th December 2016

For the attention of: Sangeeta Aeri

Date(s) work carried out: 18th to 20th January
2017

TECHNICAL REPORT

Subject:

Overall migration testing in accordance with BS EN 1186:2002 and EU
commission regulation 10/2011 on samples of gloves described as Latex gloves.

This report replaces CHM0252979/1651/CL/A issued on the 26th January 2017.

Conditions of Issue:

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Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

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Please note uncertainty of measurement has not been applied to the results in this report. SATRA uncertainty of measurement values are available on request.

Report signed by: Charlotte Lovell
Position: Chemical Technologist
Department: Chemical & Analytical Technology

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WORK REQUESTED:

Samples of gloves described as Latex gloves (10001, 10002, 10003, 10004, 10501, 10502, 10503, 10504, 10301, 10302, 10303, 10304, 10201, 10202, 10203 and 10204) were received on the 19th December 2016 for assessment in accordance with the overall migration limit requirements of Commission Regulation No. 10/2011.

MATERIALS TESTED:

- Industrial latex powdered
- Industrial latex powder free
- Medical latex powdered
- Medical latex powder free

It was requested from the customer to combine samples within the triplicate testing across the simulants

CONCLUSIONS:

When tested in accordance with BS EN 1186-5: 2002 the samples described as Latex gloves was found to meet with the overall migration limit requirements when assessed against 10% Ethanol and 20% Ethanol for 1 hour at 40 °C.

The sample described as Latex gloves did not meet with the overall migration requirements in Commission Regulation (EU) No 10/2011, Annex II when tested 3% Acetic acid for 1 hour at 40°C.

Results are given in the following tables.

TESTING REQUIRED:

- BS EN 1186 part 5: 2002 Materials and articles in contact with foodstuffs – Plastics Test methods for overall migration into aqueous food simulants by cell method for 1 hour at 40°C.
 - 10% Ethanol (simulant A Commission Regulation No. 10/2011)
 - 3% Acetic Acid (simulant B in Commission Regulation No. 10/2011)
 - 20% Ethanol (simulant C in Commission Regulation No. 10/2011)

RESULTS AND REQUIREMENTS:

Migration into aqueous food simulants by cell method

Sample	Test Method	Global migration (mg/dm ²)		Mean Global migration (mg/dm ²)	Pass/Fail
Latex gloves	BS EN 1186-5 (3% Acetic acid)	A	79.3	54.5	FAIL
		B	28.3		
		C	55.9		
	BS EN 1186-5 (10% Ethanol)	D	5.1	4.2	Pass
		A	3.9		
		B	3.6		
	BS EN 1186-5 (20% Ethanol)	C	4.0	3.3	Pass
		D	2.7		
		A	3.3		
Requirement	-	-		<10 mg/dm²	-

- A. Industrial latex powdered
- B. Industrial latex powder free
- C. Medical latex powdered
- D. Medical latex powder free

APPENDICES:

The samples described as Latex gloves are suitable for contact with the following food categories of foodstuffs as listed in 10/2011 Annex III, table 2.

Reference number	Description of foodstuffs
01	Beverages
01.01	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6% vol: A. Clear drinks: water, ciders, clear fruit or vegetable juices of normal strength or concentrated, fruit nectars, lemonades, syrups, bitters, infusions, coffee, tea, beers, soft drinks, energy drinks and the like, flavoured water, liquid coffee extract
01.02	Alcoholic beverages of an alcoholic strength of between 6% vol and 20%.
03	Chocolate, sugar and products thereof confectionery products
03.02	B. In paste form: II. Moist
04	Fruit, vegetables and products thereof
04.01	Whole fruit fresh or chilled, unpeeled
04.02	Processed fruit: B. Fruit in the form of puree, preserves, pastes or in its own juice or in sugar syrup (jams, compote, and similar products)
04.04	Whole vegetables, fresh or chilled
04.05	Whole vegetables, fresh or chilled Processed vegetables: C. Vegetables in the form of puree, preserves, pastes or in its own juice (including pickled and in brine)
06	Animal products and eggs
06.01	B. Preserved fish: II. In an aqueous medium
06.02	Crustaceans and molluscs (including oysters, mussels, snails): A. Fresh within the shell

	<p>B. Shell removed, processed, preserved or cooked with the shell</p> <p>II. In an aqueous medium</p>
08	Miscellaneous Products
08.01	Vinegar
08.03	<p>Preparations for soups, broths, sauces, in liquid, solid or powder form (extracts, concentrates); homogenised composite food preparations, prepared dishes including yeast and raising agents:</p> <p>B. Any other form than powdered or dried:</p> <p>II. Other</p>
08.04	<p>Sauces:</p> <p>A. With aqueous character</p>
08.07	Ice creams



Samples of gloves described as Industrial latex powdered



Samples of gloves described as Industrial latex powder free



Samples of gloves described as Medical latex powdered



Samples of gloves described as Medical latex powder free

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Issue Date: 1st October 2009