

# Test Report

No. SHAEC1523712004

Date: 22 Jan 2016

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SUZHOU INO INDUSTRIAL BELTING CO., LTD  
 #580 XIANGYIN ROAD, SHANGHAI, CHINA

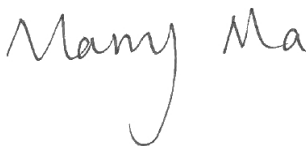
The following sample(s) was/were submitted and identified on behalf of the clients as : SKY BLUE PU CONVEYOR BELT

SGS Job No. : SP15-038173 - SH  
 Main Substance : TPU  
 Supplier : INO INDUSTRIAL BELTING CO., LTD  
 Date of Sample Received : 19 Nov 2015  
 Testing Period : 19 Nov 2015 - 27 Nov 2015  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Overall migration	PASS
Specific migration of phthalates	PASS
Specific migration of heavy metal	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Marry Ma  
 Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA15-237120.002	Blue soft solid with fibre	PU

Remarks :

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected ( < MDL)

**Overall migration**

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments, to determine overall migration.

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; EN 1186-3: 2002 aqueous food simulants by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Overall migration</u>	<u>Conclusion</u>
10% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS

Notes :

- (1) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup> or 6mg/kg.
- (2) Test condition & simulant were specified by client.

**Specific migration of phthalates**

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments to determine specific migration of phthalates.

Test Method : With reference to EN13130-1: 2004, analysis was performed by GC-MS.

**Sample 002**



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Simulant Used : 95% Ethanol (V/V) aqueous solution

Test Condition : 60 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times		-	-	-	First
Area/volume		-	dm <sup>2</sup> /kg	-	6.0
Dibutyl Phthalate(DBP)	84-74-2	0.3	mg/kg	0.05	ND
Benzylbutyl Phthalate(BBP)	85-68-7	30	mg/kg	0.05	ND
Di (2-ethylhexyl) Phthalate(DEHP)	117-81-7	1.5	mg/kg	0.05	ND
Diisononyl phthalate + Diisodecyl phthalate (DINP + DIDP)	68515-48-0 and 26761-40-0	9	mg/kg	0.2	ND
Diallyl Phthalate (DAP)	131-17-9	0.01	mg/kg	0.01	ND

Notes :

(1) Test condition & simulant were specified by client.

## Specific migration of heavy metal

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments, to determine specific migration of heavy metal.

Test Method : With reference to EN13130-1: 2004; analysis was performed by ICP-OES.

## Sample 002

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	Third
Area/volume	-	dm <sup>2</sup> /kg	-	6.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	25	mg/kg	0.5	ND

Notes :



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(1) Test condition & simulant were specified by client.

Sample photo:



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