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Hong Kong Toys Council

Test Report

Number: HKGH01828916

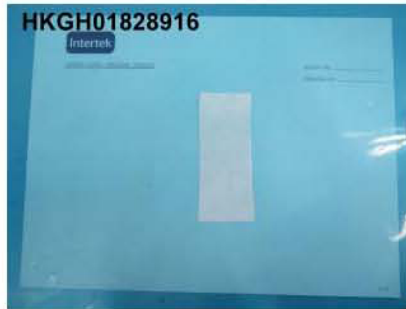
Applicant: H.K Sunshine International Co., Ltd.
A2406, WANDA CENTER, BAOZHOU ROAD,
QUANZHOU, FUJIAN, CHINA

Date: Jul 17, 2015

Attn: Sally Zeng
Email: nonwoven@sunshinecompany.com.cn
Tel: 0086-15060953295

Submitted sample said to be:

Material Name	:	White PP Nonwoven (TNT 100% Polypropylene Nonwoven Fabric).
Supplier No.	:	Not Provided.
Material Producer	:	H.K Sunshine International Co., Ltd.
Material Batch No.	:	1.
Sample Identification Code	:	001.
Colour	:	White.
Buyer	:	IKEA.
End Use	:	Furniture, Mattress / Inner Cushion / Pillow.
Quantity	:	1 Piece.



For and on behalf of :
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung
Vice President





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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) IKEA Specification IOS-MAT-0010 Version No. AA-10911-11 on Alkylphenoethoxylates (APEO), Alkylphenols (AP) and Alkylphenol phosphites Content	Pass
(2) IKEA Specification IOS-MAT-0010 Version No. AA-10911-11 on Formaldehyde Content	Pass
(3) IKEA Specification IOS-MAT-0010 Version No. AA-10911-11 on Organotin Content	Pass



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(1) **Alkylphenoethoxylates (APEO), Alkylphenols (AP) and Alkylphenol phosphites Content**

As per IKEA Specification IOS-MAT-0010 Version No. AA-10911-11 , solvent extraction was used and followed by Liquid Chromatographic - Mass Spectrometric (LC-MS) Analysis.

Compound	Result in ppm
Nonylphenols (NP)	<10
Octylphenols (OP)	<10
Nonylphenoethoxylates (NPEO)	<10
Octylphenoethoxylates (OPEO)	<10
Tris(nonylphenol) phosphite (TNPP)	<10
Total	<10

Requirement (total) : 100ppm (max)

Remark : ppm = parts per million = mg/kg

Date sample received : Jul 07, 2015
 Testing period : Jul 07, 2015 to Jul 11, 2015

(2) **Formaldehyde Content**

As per IKEA Specification IOS-MAT-0010 Version No. AA-10911-11, ISO 14184-1 was used and followed by Spectrometric.

Result in ppm	Requirement in ppm
< 10	20 (max.)

Remark :
 ppm = parts per million = mg/kg

Date sample received : Jul 07, 2015
 Testing period : Jul 07, 2015 to Jul 10, 2015



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(3) **Organotin Content**

As per IKEA Specification IOS-MAT-0010 Version No. AA-10911-11 and followed by Gas Chromatography Mass Spectrometric (GC/MS) Analysis.

Compound	Result in ppm	Requirement in ppm
Monobutyltin (MBT)	<0.05	--
Monooctyltin (MOT)	<0.05	--
Dibutyltin (DBT)	<0.05	0.10 (max.)
Diocetyltn (DOT)	<0.05	--
Tributyltin (TBT)	<0.05	0.10 (max.)
Triphenyltin (TPhT)	<0.05	--
Tricyclohexyltin (TCyT)	<0.05	--
Tetrabutyltin (TeBT)	<0.05	--
Total :	<0.05	2.5 (max.)

Remark : ppm = parts per million = mg/kg

Date sample received : Jul 07, 2015

Testing period : Jul 07, 2015 to Jul 13, 2015

 End of report

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