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Approved Laboratory of The Woolmark Company

Members of :
American National Standards Institute
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Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH0210192301

Applicant: TM TOYS SP Z O O
UL ZBOZOWA 4
70-653 SZCZECIN
POLAND

Date: May 05, 2017

Attn: DANIEL POON

Submitted sample said to be :
Item Name : **Inflatable Giant Swan**
Ref. No. : **DKJ0250**
Quantity : Four sets
Labelled Age Group : Not specified
Packaging Provided : No
Supplier : Welfun Group Limited
Buyer : TM Toys Sp. z o.o.
Country of Origin : China

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) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(2) 94/62/EC and amendment 2013/2/EU & Directive (EU) 2015/720 Directive (packaging waste) - Toxic elements test	Pass
(3) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 - Phthalates content	Pass
(4) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass

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

Angel Y.F. Cheung
Vice President





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(1) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1/2/3)	ND	0.1
(4/5)	ND	0.1
(6/7/8)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Black coating on plastic sheet (body pattern, warning).
- (2) Orange coating on plastic sheet (body pattern).
- (3) Red coating on plastic sheet (warning).
- (4) Yellow coating on plastic sheet (warning).
- (5) Blue coating on plastic sheet (warning).
- (6) White plastic sheet (body).
- (7) Transparent plastic (valve).
- (8) White plastic (handle).

Date sample received : Mar 23, 2017

Test Period : Mar 23, 2017 to Mar 28, 2017



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(2) Toxic Elements Analysis

Test Method : 94/62/EC and amendment 2013/2/EU & Directive (EU) 2015/720 Directive on packaging and packaging waste, acid digestion method was used and toxic elements contents were determined by Inductively Coupled Argon Plasma Spectrometry, and Hexavalent Chromium content was determined by UV-Visible Spectrophotometry.

	Result (ppm)	Limit (ppm)
	(1)	
Total Lead (Pb)	<5	--
Total Cadmium (Cd)	<5	--
Total Mercury (Hg)	<5	--
Chromium VI (Cr (VI))	<1	--
Sum of Lead, Cadmium, Mercury and Chromium Cr (VI)	<16	100

ppm = parts per million = mg/kg

Tested Component:

- (1) Transparent plastic sheet with black coating (polybag) (packaging).

Date sample received : Mar 23, 2017

Test Period : Mar 23, 2017 to Mar 28, 2017



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(3) Phthalate Content Test

Test Method : EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Six Phthalate content:

Compounds	Result (%, w/w)		Limit (%, w/w)
	(1)	(2/3/4)	
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	0.1

The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 for phthalate content in toys and childcare articles.

Tested Components:

- (1) Coatings on plastic sheet (body pattern, warning).
- (2) White plastic sheet (body).
- (3) Transparent plastic (valve).
- (4) White plastic (handle).

Date sample received : Mar 23, 2017

Test Period : Mar 23, 2017 to Mar 28, 2017



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(4) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : Solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.10	<0.10	0.5
Benzo(e)pyrene	<0.10	<0.10	0.5
Benzo(a)anthracene	<0.10	<0.10	0.5
Chrysene	<0.10	<0.10	0.5
Benzo(b)fluoranthene	<0.10	<0.10	0.5
Benzo(j)fluoranthene	<0.10	<0.10	0.5
Benzo(k)fluoranthene	<0.10	<0.10	0.5
Dibenzo(a,h)anthracene	<0.10	<0.10	0.5

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings on plastic sheet (body pattern, warning).
- (2) White plastic sheet (body).
- (3) Transparent plastic (valve).
- (4) White plastic (handle).

Date sample received : Mar 23, 2017

Test Period : Mar 23, 2017 to Mar 29, 2017



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End of report

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