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American National Standards Institute
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British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH0209655202

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

Date: Apr 10, 2017

Submitted sample said to be :
Item Name : **Inflatable Giant Pretzel**
Ref. No. : **DKJ0216**
Quantity : Two sets & parts
Labelled Age Group : "3+"
Packaging Provided : Yes
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) 94/62/EC and amendment 2013/2/EU & Directive (EU) 2015/720 Directive (packaging waste) - Toxic elements test	Pass
(2) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 - Phthalates content	Pass
(3) 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) 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)	(2/3)	(4)	
Total Lead (Pb)	<5	<5	<5	--
Total Cadmium (Cd)	<5	<5	<5	--
Total Mercury (Hg)	<5	<5	<5	--
Chromium VI (Cr (VI))	<1	<1	<1	--
Sum of Lead, Cadmium, Mercury and Chromium Cr (VI)	<16	<16	<16	100

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings on paper board (box) (packaging).
- (2) Paper board excluding coatings (box) (packaging).
- (3) Yellow paper sheet with black printing (back sheet of repair patch) (packaging).
- (4) Transparent adhesive tape (sealing tape) (packaging).

Date sample received : Mar 14, 2017
Test Period : Mar 14, 2017 to Mar 18, 2017

(2) 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.



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Tested Components:

- (1) Coating (white, black) on plastic sheet (dot pattern, warning).
- (2) Brown plastic sheet (main body).
- (3) Transparent plastic (valve).
- (4) Transparent plastic label (repair patch).

Date sample received : Mar 14, 2017
Test Period : Mar 14, 2017 to Mar 18, 2017

(3) 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) Coating (white, black) on plastic sheet (dot pattern, warning).
- (2) Brown plastic sheet (main body).
- (3) Transparent plastic (valve).
- (4) Transparent plastic label (repair patch).

Date sample received : Mar 14, 2017
Test Period : Mar 14, 2017 to Mar 21, 2017



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End of report

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