

**Test Report**

Number: SHAH0096172601

Applicant: WENZHOU TIANQI IMP. & EXP. CO.,LTD  
SOUTH ,ROOM 1901 ,BUILDING 2B,YUEHU CELL ,HEPING  
ROAD ,WENZHOU ,ZHEJIANG ,CHINA

Date: 21 Nov, 2018

**Sample Description:**

One (1) style of submitted sample said to be :

Item Name : Acrylic Cake Topper.

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**Tests Conducted:**

As requested by the applicant, for details refer to attached page(s).

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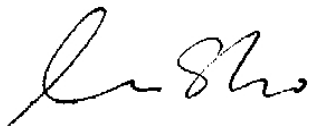
**Conclusion:**

<u>Tested Components</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample	Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006	Pass
Tested Component of Submitted Sample	Client's requirement on AfPS GS 2014:01 PAK for Polycyclic Aromatic Hydrocarbons (PAHs) content	Pass
	Lead content requirement in Commission Regulation (EU) No. 628/2015 of 22 April 2015 Amending Annex XVII of the Reach Regulation (EC) No. 1907/2006	Pass
	Phthalates content requirement in Annex XVII items 51 & 52 of the REACH regulation (EC) NO. 1907/2006 & Amendment NO.552/2009	Pass

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To be continued

Authorized By:



Leo Shi  
General Manager



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Tests Conducted

1 Cadmium (Cd) content

With reference to methods EN 1122 (Method B)/ IEC 62321:2008/ ISO 11885:2007, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested components</u>	<u>Result in %</u>
(1)	ND
(2)	ND
(3)	ND

Requirement:	
Category	Limit (%)
Paints with codes [3208] and [3209]	0.01
Paints with codes [3208] [3209] with a zinc content exceeding 10 % by weight of the paint	0.1
Painted article	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark: % = Percentage based on dry weight of sample  
ND = not Detected (<0.0005%)

This Test Was Conducted By Intertek Testing Services Ltd., Shanghai, Ningbo Branch.

Tested Components: See component list in the last section of this report.

Date sample received : Sep.29, 2018

Testing period : Sep.29, 2018 To Oct.9, 2018

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Number: SHAH0096172601

Tests Conducted

2 Polycyclic Aromatic Hydrocarbons (PAHs) Content

As Per AfPS GS 2014:01 PAK, by solvent extraction and determined by Gas Chromatography – Mass Spectrometer (GC/MS).

( I ) Test Results

Testing Item	Result (in mg/kg)		
	(1)	(2)	(3)
1. Benzo[a]anthracene	ND	ND	ND
2. Chrysene	ND	ND	ND
3. Benzo[b]fluoranthene	ND	ND	ND
4. Benzo[j]fluoranthene	ND	ND	ND
5. Benzo[k]fluoranthene	ND	ND	ND
6. Benzo[e]pyrene	ND	ND	ND
7. Benzo[a]pyrene	ND	ND	ND
8. Indeno[1,2,3-c,d]pyrene	ND	ND	ND
9. Dibenzo[a,h]anthracene	ND	ND	ND
10. Benzo[g,h,i]perylene	ND	ND	ND
11. Acenaphthylene	ND	ND	ND
12. Acenaphthene	ND	ND	ND
13. Fluorene	ND	ND	ND
14. Phenanthrene	ND	ND	ND
15. Anthracene	ND	ND	ND
16. Fluoranthene	ND	ND	ND
17. Pyrene	ND	ND	ND
<b>Sum of 11-17 PAHs</b>	ND	ND	ND
18. Naphthalene	ND	ND	ND
<b>Sum of 1-18 PAHs</b>	ND	ND	ND
<b>Classification of Samples (toys): Category</b>	-		
<b>Classification of Samples (other products): Category</b>	2		

ND= Not detected

Detection limit = 0.2 mg/kg

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( II ) Limits for PAH in Products (for reference)

Parameter	Category 1	Category 2		Category 3	
/	To be taken material, which are intended in the mouth, or materials in toys intended and with long-term skin contact (longer than 30 s)	Materials that do not fall into category 1, with foreseeable contact to skin longer than 30 s (long-term skin contact) or short-term repeated skin contact <sup>a)</sup>		Materials that do not fall into category 1 or 2, with foreseeable contact to skin up to 30 s (short-term skin contact)	
/	/	Toys by RL 2009/48/EC	other products by ProdSG	Toys by RL 2009/48/EC	other products by ProdSG
Benzo[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-c,d]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Acenaphthylen, Acenaphthen, Fluoren, Phenanthren, Pyren, Anthracen, Fluoranthen	< 1 (Sum)	< 5 (Sum)	< 10 (Sum)	< 20 (Sum)	< 50 (Sum)
Naphthalene	< 1	< 2		< 10	
Sum 18 PAHs	< 1	< 5	< 10	< 20	< 50

<sup>a)</sup> Formulation "of repeated short-term skin contact" REACH Annex XVII No. 50 supplement (REGULATION (EU) No 1272/2013)

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3 Lead (Pb) Content

With Reference To Method EPA 3051A , Microwave Digestion Method Was Used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (%)</u>	<u>Limit (%)</u>
(1)	ND	0.05
(2)	ND	0.05
(3)	ND	0.05

Remark: ND = Not Detected  
Detection Limit = 0.001%

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Tested Components: See component list in the last section of this report.

Date sample received : Sep.29, 2018  
Testing period : Sep.29, 2018 To Oct.9, 2018

4 Phthalate content test

With reference to EN 14372, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

<u>Tested compound</u>	<u>Result (% w/w)</u>			<u>Limit(% w/w)</u> <u>(MAX.)</u>
	(1)	(2)	(3)	
Di-butyl phthalate (DBP)	ND	ND	ND	---
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	---
Benzyl butyl phthalate (BBP)	ND	ND	ND	---
Sum of three phthalates	ND	ND	ND	0.1
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	---
Di-n-octyl phthalate (DNOP)	ND	ND	ND	---
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	---
Sum of three phthalates	ND	ND	ND	0.1

Remark: 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 children care articles.

Detection limit = 0.01%(w/w)  
ND = Not detected

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Tested Components: See component list in the last section of this report.

Date sample received : Sep.29, 2018  
Testing period : Sep.29, 2018 To Oct.10, 2018

To be continued

**Test Report**

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**Tests Conducted**



**Components List:**

- (1) Pink Plastic With Glitter.
- (2) Grey Plastic With Glitter.
- (3) Yellow Plastic With Glitter.

End of report

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