



CONSUMER PRODUCTS SERVICES DIVISION

## EVERWAY INDUSTRIAL LIMITED

**Technical Report:** (8524)024-0162(A)

March 05, 2024

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EVERWAY INDUSTRIAL LIMITED  
31B VIGOR INDUSTRIAL BUILDING PHASE 1  
49-53 TA CHUEN PING STREET  
KWAI CHUNG, N.T.  
HONG KONG

Sample Description:	ALL-IN-ONE PEPPA PIG'S PARTY SET		
Vendor:	N/A	Sample Size:	4
Manufacturer:	N/A	Style No(s):	PD0800
Buyer:	N/A	SKN/SKU No.:	PD08004
Labeled Age Grade:	3+	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
Client Specified Age	3 YEARS OR UP	Country of Origin:	CHINA
Grade:			
Tested Age Grade:	OVER 3 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	4897107242138		

### **EXECUTIVE SUMMARY:**

The sample(s) MEET the following requirement(s):

- The heavy metals requirements of the European "Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste." & Heavy Metals Content Requirement in the Packaging (Essential Requirements) Regulations 2015 (S.I.2015 No.1640) as amended.
- The BBP, DBP DEHP and DIBP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51 (amended up to EU No. 2018/2005) & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended.
- The cadmium content requirement of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 23 (amended up to EU No. 2016/217) & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended.
- The DNOP, DINP and DIDP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 52 & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended.



**EXECUTIVE SUMMARY:**

The sample(s) MEET the following requirement(s):

- The polycyclic aromatic hydrocarbons (PAHs) content requirement of European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 50, Paragraph 5 and 6 with (EU) No. 1272/2013 & its amendments & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended.
- The short chain chlorinated paraffins (SCCPs) content requirement of the European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) (recast) & The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2018 / The Persistent Organic Pollutants (Various Amendments) Regulations 2019.
- The testing requirements as stated in the European Commission Regulation (EU) NO 10/2011, relating to Plastic materials and arterials intended to come into contact with foodstuffs, and its amendments.

Note: The received sample(s) contained accessible component(s) of less than 50 milligrams by weight on one single sample, therefore such component(s) was not subject to the Polycyclic Aromatic Hydrocarbons (PAHs) Content requirement of European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 50, Paragraph 5 and 6 & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended.

Note: Based on visual evaluation and/or material breakdown received, there is no applicable material(s) found in the sample(s) submitted and thus the corresponding testing of EC No. 1907/2006 Azodyes content (2017) has/have not been conducted.

NOTE: If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns:

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Zhang Xin Wei, Frankie  
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FZ / eo



**RESULTS:**

**HEAVY METALS PRESENT IN PACKAGING (European Council Directive 94/62/EC on Packaging and Packaging Waste) & Heavy Metals Content Requirement in the Packaging (Essential Requirements) Regulations 2015 (S.I.2015 No.1640) as amended**

Parameter:		The sum of lead, cadmium, mercury and hexavalent chromium			
Maximum Allowable Limit:		- 600 ppm by weight after June 30, 1998 - 250 ppm by weight after June 30, 1999 - 100 ppm by weight after June 30, 2001			
Sample Description				Result (mg/kg (ppm))	Conclusion
Color/Component		Location	Style		
(A)	clear laminated soft white paper	release paper		LT 20	Pass
(B)	clear laminated flat white paper	seal		LT 20	Pass
(C)	multicolour printed white/brown paper board	box		LT 20	Pass
(D)	cream white paper	seal of knife.fork. spoon		LT 20	Pass

LT = Less Than

\* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



**RESULTS:**

**CADMIUM CONTENT (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 23 & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended).**

Category:			Plastics			
Element:			Cadmium			
Test Method			BS EN 1122: 2001, Method B			
Maximum Allowable Limit:			100 mg/kg (0.01% by weight)			
Sample Description			Reading 1	Reading 2	Average	Conclusion
Color / Component	Location	Style	Result (mg/kg)			
(A) clear laminated multicolour printed bright white paper card dull white plastic clear pastic sticler off-white cord/white soft plastic	paper cup  kazoo whistle tape of kazoo whistle  elastic rope of hat		LT 10	LT 10	LT 10	Pass

LT = Less than

# = Insufficient sample for duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)

Operator: Jiang Wei Ming, Wellen

Category:			Paints on Painted Article	
Element:			Cadmium	
Test Method:			In house acid digestion	
Maximum Allowable Limit:			1000 mg/kg (0.1% by weight)	
Test Component			Result (mg/kg)	Conclusion
Colour/Component	Location	Style		
(A) all coating(>4 colour)	paper cup		LT 10	Pass
(B) all coating(>4 colour)	paper plate		LT 10	Pass
(C) all coating(>4 colour)	corn hat/ kazoo whistle/ bunting/ table centerpiece		LT 10	Pass
(D) all coating(>4 colour)	sticker of knife, fork and spoon		LT 10	Pass

LT = Less than

\* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



**RESULTS:**

**DNOP/DINP/DIDP CONTENTS IN TOYS AND CHILDCARE ARTICLES WHICH CAN BE PLACED IN MOUTH BY THE CHILDREN (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 52 & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended).**

Test Method: International Standard ISO 8124-6: 2018, Method A.

Sample Identity	Test Component	Location	Style
A.	all coating(>4 colour) all coating(>4 colour)	paper cup paper plate	
B.	all coating(>4 colour) all coating(>4 colour)	corn hat/ kazoo whistle/ bunting/ table centerpiece sticker of knife, fork and spoon	
C.	clear laminated bright white paper card dull white plastic	paper cup kazoo whistle	
D.	clear pastic sticler off-white cord/white soft plastic	tape of kazoo whistle elastic rope of hat	

Test Parameter:	DNOP	DINP	DIDP	Sum of three phthalates	
Limit (%):	0.1	0.1	0.1	0.1	
Sample	Result (%)				Conclusion
A.	LT 0.005	0.011	LT 0.005	LT 0.015	Pass
B.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass
C.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass
D.	LT 0.005	LT 0.005	LT 0.005	LT 0.015	Pass

*Detection Limit :*

DNOP = Di-n-octyl phthalate (0.005%)  
 DINP = Di-iso-nonyl phthalate (0.005%)  
 DIDP = Di-iso-decyl phthalate (0.005%)

*Results reported in percentage*

LT = Less than  
 GT = Greater than  
 ND = None detected



**RESULTS:**

**BBP/DBP/DEHP/DIBP CONTENTS (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 51 (amended up to EU No. 2018/2005) & The (REACH) etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I.2019 No.758) as amended)**

Test Method: International Standard ISO 8124-6: 2018, Method A.

Sample Identity	Test Component	Location	Style
A.	all coating(>4 colour) all coating(>4 colour)	paper cup paper plate	
B.	all coating(>4 colour) all coating(>4 colour)	corn hat/ kazoo whistle/ bunting/ table centerpiece sticker of knife, fork and spoon	
C.	clear laminated bright white paper card dull white plastic	paper cup kazoo whistle	
D.	clear pastic sticler off-white cord/white soft plastic	tape of kazoo whistle elastic rope of hat	

Test Parameter:	BBP	DBP	DEHP	DIBP	Sum of four phthalates	
Limit (%):	0.1	0.1	0.1	0.1	0.1	
Sample	Result (%)					Conclusion
A.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.020	Pass
B.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.020	Pass
C.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.020	Pass
D.	LT 0.005	LT 0.005	LT 0.005	LT 0.005	LT 0.020	Pass

**Detection Limit :**

BBP = Butyl benzyl phthalate (0.005%)  
 DBP = Dibutyl phthalate (0.005%)  
 DEHP = Di(2-ethylhexyl) phthalate (0.005%)  
 DIBP = Diisobutyl phthalate (0.005%)

*Results reported in percentage*  
 LT = Less than  
 ND = None detected



**RESULTS:**

**SHORT CHAIN CHLORINATED PARAFFINS (SCCPs) CONTENT (European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) (recast), Annex I, Part A) & The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2018 / The Persistent Organic Pollutants (Various Amendments) Regulations 2019.**

Analyte	Short Chain Chlorinated Paraffins (SCCPs)	
Limit (mg/kg)	1500	

Analyte				SCCPs	
Sample Description				Result	Conclusion
	Color / Component	Location	Style	(mg/kg)	
(A)	clear laminated bright white paper card	paper cup		LT 30	Pass
	dull white plastic	kazoo whistle			
	clear pastic sticler/	tape of kazoo whistle			
	off-white cord/white soft plastic	elastic rope of hat			

LT = Less Than

\* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)

ND = None Detected (detection limit = 30 mg/kg)

**Remark:**

Short chain chlorinated paraffins (SCCPs) is also known as alkanes C10-C13, chloro. Plastics and leather of product(s) are applicable to be tested only.



## RESULTS:

**POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) CONTENT (European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 50, Paragraph 5 and 6 with (EU) No. 1272/2013 & its amendments & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended)**

Test Method : With reference to test method mentioned in German AfPS GS 2019:01 PAK

Sample Identity	Test Component	Location	Style
A.	Composite of all coating(>4 colour) all coating(>4 colour)	paper cup paper plate	
B.	all coating(>4 colour)	corn hat/ kazoo whistle/ bunting/ table centerpiece	
C.	clear laminated bright white paper card dull white plastic	paper cup kazoo whistle	
D.	clear pastic sticler off-white cord/white soft plastic	tape of kazoo whistle elastic rope of hat	

<b>Maximum Allowable Limit:</b>	<b>Type I</b>	Articles includes amongst others: - sport equipment such as bicycles, golf clubs, racquets - household utensils, trolleys, walking frames tools for domestic use - clothing, footwear, gloves and sportswear - watch-straps, wrist-bands, masks, head-bands <b>1 mg/kg (Each of all listed PAHs)</b>
	<b>Type II</b>	Toys, including activity toys, and childcare articles <b>0.5 mg/kg (Each of all listed PAHs)</b>

Tested Item(s)	Type	Result		Conclusion
		Detected Analyte(s)	Conc. (mg/Kg)	
A.	II	ND	ND	Pass
B.	II	ND	ND	Pass
C.	II	ND	ND	Pass
D.	II	ND	ND	Pass

ND = Not detected      ">" = More than      Conc. = Concentration  
 mg/kg = milligram per kilogram  
 Detection Limit : Each PAHs 0.2 mg/kg

Remark:

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.

## APPENDIX

List of Polynuclear Aromatic Hydrocarbons:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Benzo[a]pyrene (BaP)	50-32-8	5	Benzo[b]fluoranthene (BbFA)	205-99-2
2	Benzo[e]pyrene (BeP)	192-97-2	6	Benzo[j]fluoranthene (BjFA)	205-82-3
3	Benzo[a]anthracene (BaA)	56-55-3	7	Benzo[k]fluoranthene (BkFA)	207-08-9
4	Chrysene (CHR)	218-01-9	8	Dibenzo[a,h]anthracene (DBAhA)	53-70-3





**RESULTS:**

**Sample Description Assigned by Laboratory:**

Test Item	Description	Client Claimed Material
1	Clear coating (inner cup)	PE coating

**1. Overall Migration Test for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments**

Test Condition: 3% Acetic acid: 70 °C, 2hrs  
50% Ethanol: 70 °C, 2hrs

Simulant Used	Unit	Result	Maximum Allowable Limit	Analytical Tolerance
		1		
Food contact surface area	dm <sup>2</sup>	1.82	-	-
Volume of stimulant used	mL	250	-	-
3% Acetic acid	mg/dm <sup>2</sup>	<5	10	+2
50% Ethanol	mg/dm <sup>2</sup>	<5	10	+2
<b>Conclusion</b>	-	PASS	-	-

Note: “<” = less than  
mg/dm<sup>2</sup> = milligram per square decimetre

Method: EN 1186-1: 2002.

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for single use, only single determination is carried out in the migration tests and the test result is shown in result table.

**2. Phthalate Contents for Plastic Materials in Contact with Foodstuffs - Commission Regulation (EU) No. 10/2011 and Its Amendments**

Parameter	Unit	Result	Maximum Allowable Limit
		1	
Butyl benzyl phthalate (BBP)	%	<0.005	0.1
Dibutyl phthalate (DBP)	%	<0.005	0.05
Di-2-ethylhexyl phthalate (DEHP)	%	<0.005	0.1
Di-iso-decyl phthalate (DIDP)	%	<0.005	0.1
Di-iso-nonyl phthalate (DINP)	%	<0.005	0.1
<b>Conclusion</b>	-	PASS	-

Note: “<” = less than

Method: Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS) or Liquid Chromatograph Mass Spectrometer (LC-MS).

**RESULTS:**

**3. Specific Migration of Heavy Metals for Plastic Materials in Contact with Foodstuffs – Commission Regulation (EU) No. 10/2011 and Its Amendments.**

Test Condition: 3% Acetic acid :70°C, 2 hrs

Parameter	Simulant Used	Unit	Result	Maximum Allowable Limit
			1	
Food contact surface area	-	dm <sup>2</sup>	1.82	-
Volume of stimulant used	-	mL	250	-
Barium (Ba)	3% Acetic acid	mg/kg	<0.01	1
Cobalt (Co)	3% Acetic acid	mg/kg	<0.01	0.05
Copper (Cu)	3% Acetic acid	mg/kg	<0.04	5
Iron (Fe)	3% Acetic acid	mg/kg	<0.04	48
Lithium (Li)	3% Acetic acid	mg/kg	<0.01	0.6
Manganese (Mn)	3% Acetic acid	mg/kg	<0.01	0.6
Zinc (Zn)	3% Acetic acid	mg/kg	<0.01	5
Aluminum (Al)	3% Acetic acid	mg/kg	<0.1	1
Nickel (Ni)	3% Acetic acid	mg/kg	<0.01	0.02
Antimony (Sb)	3% Acetic acid	mg/kg	<0.01	0.04
Arsenic (As)	3% Acetic acid	mg/kg	<0.01	Not detected
Cadmium (Cd)	3% Acetic acid	mg/kg	<0.002	Not detected
Chromium (Cr)	3% Acetic acid	mg/kg	<0.01	Not detected
Europium (Eu)	3% Acetic acid	mg/kg	<0.01	0.05
Gadolinium (Gd)	3% Acetic acid	mg/kg	<0.01	0.05
Lanthanum (La)	3% Acetic acid	mg/kg	<0.01	0.05
Lead (Pb)	3% Acetic acid	mg/kg	<0.01	Not detected
Mercury (Hg)	3% Acetic acid	mg/kg	<0.01	Not detected
Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	0.05
Sum of Europium (Eu), Gadolinium (Gd), Lanthanum (La), and/or Terbium (Tb)	3% Acetic acid	mg/kg	<0.01	0.05
<b>Conclusion</b>	-	-	PASS	-

Note: “<” = less than  
 mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Remark: 1) The migration test is carried out according to EC Regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for single use, only single determination is carried out in the migration tests and the test result is shown in result table.

**RESULTS:**

**4. Specific Migration of Phthalates for Plastic Materials in Contact with Foodstuffs –Commission Regulation (EU) No. 10/2011 and Its Amendments**

Test Condition: 3% Acetic acid:70°C, 2hrs  
 50% Ethanol: 70°C, 2hrs

Parameter	Simulant Used	Unit	Result	Maximum Allowable Limit
			1	
Food contact surface area	-	dm <sup>2</sup>	1.82	-
Volume of stimulant used	-	mL	250	-
Butyl benzyl phthalate (BBP)	3% Acetic acid	mg/kg	<0.01	6
	50% Ethanol	mg/kg	<0.01	
Di-2-ethylhexyl phthalate (DEHP)	3% Acetic acid	mg/kg	<0.01	0.6
	50% Ethanol	mg/kg	<0.01	
Dibutyl phthalate (DBP)	3% Acetic acid	mg/kg	<0.01	0.12
	50% Ethanol	mg/kg	<0.01	
Butyl benzyl phthalate (BBP), Di-2-ethylhexyl phthalate (DEHP), Dibutyl phthalate (DBP) and Di-iso-butyl phthalate (DIBP)	3% Acetic acid	mg/kg	<0.01	0.6 <sup>(a)</sup>
	50% Ethanol	mg/kg	<0.01	
Di-iso-decyl phthalate (DIDP) and Di-iso-nonyl phthalate (DINP)	3% Acetic acid	mg/kg	<0.01	1.8
	50% Ethanol	mg/kg	<0.01	
<b>Conclusion</b>	-	-	PASS	

Note: “<” = less than  
 mg/kg = milligram per kilogram

Method: EN 13130-1: 2004 and analysis by Liquid Chromatograph Mass Spectrometer (LC-MS).

Remark: 1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

2) For article intended for single use, only single determination is carried out in the migration tests and the test result is shown in result table.

**RESULTS:**



Report Number: (8524)024-0162

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END OF REPORT