



Test Report

Applicant : KK Inflatable Limited

Address : NO.202 Guangzhu Road, Lanhe Industrial Park, Nansha Zone, Guangzhou City, Guangdong, China

The following sample(s) was /were submitted and identified on behalf of the clients as:

Sample Name : Inflatable toys

Sample Model : Inflatable water park, Inflatable bouncer, Inflatable slide, Inflatable combo, Inflatable obstacle, Inflatable amusement park, Inflatable advertisement, Inflatable sport games.

Trade Name : N/A

Sample Received : Jan. 02, 2019

Testing Period : Dec. 24, 2018 - Jan. 02, 2019

Test Requested : Selected test (s) in the selected

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Tested by:

Denise Tan

Inspected by:

Jamie Zou

Approved by:



Date:

Jan. 02, 2019



Test Report

Test Result:

Tested according to EN 14960:2013 Inflatable play equipment-Safety requirements and test methods

Clause	Testing Items	Test Result	Assessment
4	Safety Requirements	--	--
4.1	Materials	--	--
4.1.1	Fabrics	Annex I	P
4.1.2	Thread	Annex II	P
4.1.3	Netting	Mesh Size=25mm	P
4.1.4	Ropes	Swing<15% Diameter=29mm	P
4.1.5	Zips	--	P
4.1.6	Dangerous Substances And Decorative Finishes	Annex III	P
4.2	Design	--	--
4.2.1	Anchorage	Stakes, Weights, Withstand Force>1600N	P
4.2.2	Structural Integrity	Annex IV	P
4.2.3	Access/Egress	Annex V	P
4.2.4	Blowers	IP34	P
4.2.5	Entrapment	--	--
4.2.5.1	Entrapment Of The Head And Neck	No Opening	P
4.2.5.2	Clothing Entrapment	Comply With The Requirements	P
4.2.5.3	Fingers Entrapment	Can't Pass Through 8mm	P



Test Report

		Finger Rod	
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Clause	Testing Items	Test Result	Assessment
4.2.5.4	Body Entrapment	Length=2.5m Internal Diameter=85cm	P
4.2.6	Hard Objects, Sharp Angles And Edges	Not Contain	P
4.2.7	Electrical Installations	Comply With The Requirements	P
4.2.8	Siting	Comply With The Requirements	P
4.2.9	Containment	Containing Wall Height=1.9m	P
4.2.10	Wall Heights On Slopes	Containing Wall Height=85cm	P
4.2.11	Run-Out	Height Of Highest Platform=2.8m Length Of Run-Out=1.5m	P
4.2.12	Ventilation	Well Ventilated	P



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Annex I

Flammability Test

Test method: As per European standard on safety of toys EN 71-2:2011+A1:2014.

Test result: rate of spread of flame 6mm/s.

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended To be worn by a child in play	NA
4.4	Toys intend to be entered by a child	P
4.5	Soft filler toys(animal and dolls etc.) With a piled or textile surface	NA
Remark :	1. P = Pass; 2. NA = Not applicable.	

Tension test

Test Item	Test Method	Specimen Size	Equipment	Result	
				Longitudinal	Transverse
Tear Strength	EN 14960:2013	200mm×50mm	CRE	400N	410N
Tensile Strength	EN ISO 1421:2016	200mm×50mm	CRE	1920N	1930N
Coating Adhesion	EN ISO 2411:2017	50mm	CRE	110N	



Test Report

Annex II

Test Item	Test Method	Equipment	Result
Tensile Strength	EN ISO 1421:2016	CRE	95N
Length Of Individual Stitches	--	--	4-6mm

Annex III

Migration of Certain Elements

Test Method: As per European standard on safety of toys EN71-3:2013.

Sample Description:

No.	Description	Name
1	Dark blue	PVC
2	Light blue	PVC
3	White	PVC
4	Black	PVC
5	Deep red	PVC
6	Light red	PVC
7	Brown	PVC
8	Yellow	PVC
9	Gray	PVC
10	Orange	PVC



Test Report

No.	Description	Name
11	Transparent	Transparent TPU
12	Dark green	PVC
13	Light green	PVC





Test Report

The Result (No.1):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.2):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.3):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.4):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.5):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.6):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.7):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.8):

Migration test

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.9):**Migration test**

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.



Test Report

The Result (No.10):**Migration test**

Test Item(s)	Unit	Result	MDL	Limit
Soluble Aluminium (Al)	mg/kg	N.D.	50	70000
Soluble Antimony(Sb)	mg/kg	N.D.	1.0	560
Soluble Arsenic(As)	mg/kg	N.D.	0.5	47
Soluble Barium(Ba)	mg/kg	N.D.	50	56000
Soluble Boron(B)	mg/kg	N.D.	50	15000
Soluble Cadmium(Cd)	mg/kg	N.D.	0.3	17
Soluble Chromium(III)(Cr III)	mg/kg	N.D.	5	460
Soluble Chromium(VI) (Cr VI)	mg/kg	N.D.	0.005	0.2
Soluble Cobalt(Co)	mg/kg	N.D.	0.5	130
Soluble Copper(Cu)	mg/kg	N.D.	50	7700
Soluble Lead(Pb)	mg/kg	N.D.	0.5	160
Soluble Manganese(Mn)	mg/kg	N.D.	50	15000
Soluble Mercury(Hg)	mg/kg	N.D.	0.5	94
Soluble Nickel(Ni)	mg/kg	N.D.	10	930
Soluble Selenium(Se)	mg/kg	N.D.	0.08	460
Soluble Strontium(Sr)	mg/kg	N.D.	5.0	56000
Soluble Tin(Sn)	mg/kg	N.D.	50	180000
Organic tin	mg/kg	N.D.	0.5	12
Soluble Zinc(Zn)	mg/kg	N.D.	0.08	46000



Test Report

Organic tin test

Test Item(s)	Unit	Result	MDL	Limit
Methyl tin	mg/kg	N.D.	0.5	12
Butyl tin	mg/kg	N.D.	0.5	
Dibutyl tin	mg/kg	N.D.	0.5	
Tributyl tin	mg/kg	N.D.	0.5	
Tetrabutyl tin	mg/kg	N.D.	0.5	
n-Octyl tin	mg/kg	N.D.	0.5	
Di-n-octyl tin	mg/kg	N.D.	0.5	
Diphenyl tin	mg/kg	N.D.	0.5	
Triphenyl tin	mg/kg	N.D.	0.5	
Di-n-propyl tin	mg/kg	N.D.	0.5	

Note:

1. mg/kg= ppm;
2. N.D. =Not Detected (<MDL);
3. MDL =Method Detection Limit.

Test Report

Sample Photo

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Test Report

Photo 7



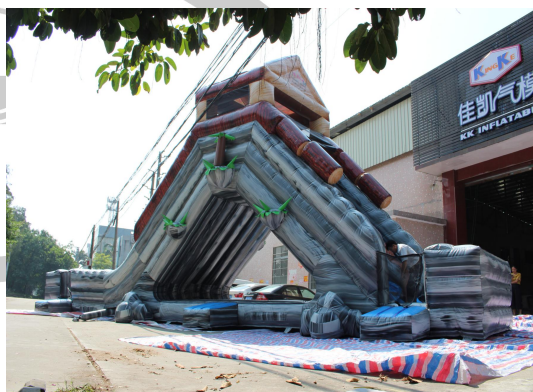
Photo 8



Photo 9



Photo 10



*** End of Report ***