



# Test Report



中国认可  
国际互认  
检测  
TESTING  
CNAS L5772

Report No.: PTC-HX-04170420402EN

Date: Apr. 11, 2017

Page 1 of 4

**Applicant:**

**Address:**

The following merchandise was (were) submitted and identified by client as:

**Sample Name:** nature foam rubber  
**Model:** -  
**Order No:** SEORD001098  
**Colour:** Black  
**End Uses:** mouse pad, game mat, floor rubber, desk pad bar runner , yoga mat  
**Age grading for testing:** 3+  
**Category:** RUBBER  
**Qty of Sample Submitted:** 1  
**Manufacturer:**  
**Sample Received Date:** Apr. 07, 2017  
**Completed Date:** Apr. 11, 2017

**Test Requested and Conclusion(s):**

No.	Test Sample	Standard and Requirement	Conclusion(s)
1)	Submitted sample	EN71-3:2013+A1:2014 European Standard for Safety of Toys - Migration of Certain Elements	PASS

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

Signed for and on Behalf of PTC



Havin Zhou / P & C Department Manager  
DongGuan Precise Testing and Certification Corp. Ltd.

General clauses in www.pts-testing.com by PTC. Responsibility, guarantee and law restriction as. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission. The test item(s) with "n" or "m" in the report was (were) not got CNAS or CMA accreditation, and the test item(s) with "s" was (were) not got CNAS or CMA accreditation and subcontracted.

**DongGuan Precise Testing and Certification Corp. Ltd. (PTC)**  
Building D, Baoding Technology Park, Guangming 2th Road, Guangming Community,  
Dongcheng District, Dongguan, Guangdong, China  
Tel: 86-769-38808222 Fax: 86-769-38826111 http:// www.pts-testing.com



# Test Report

Report No.: PTC-HX-04170420402EN

Date: Apr. 11, 2017

Page 2 of 4

## Test Result(s):

1) Migration of Certain Elements

**Method:** With reference to EN71-3:2013+A1:2014, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Gas Chromatograph-Mass Spectrometry (GC-MS) and ion chromatograph.

Substance	RL (mg/kg)	Result (mg/kg)
		1
Aluminium (Al)	5.0	N.D.
Antimony (Sb)	5.0	N.D.
Arsenic (As)	0.5	N.D.
Barium (Ba)	5.0	N.D.
Boron (B)	5.0	N.D.
Cadmium (Cd)	0.2	N.D.
Chromium(III) (Cr <sup>3+</sup> )	2.0	N.D.
Chromium(VI) (Cr <sup>6+</sup> )	0.2	N.D.
Cobalt (Co)	1.0	N.D.
Copper (Cu)	5.0	N.D.
Lead (Pb)	2.0	N.D.
Manganese (Mn)	5.0	N.D.
Mercury (Hg)	1.0	N.D.
Nickel (Ni)	5.0	N.D.
Selenium (Se)	5.0	N.D.
Strontium (Sr)	5.0	N.D.
Tin (Sn)	5.0	N.D.
Organic tin☆	0.1	N.D.
Zinc (Zn)	5.0	N.D.
<b>Conclusion</b>		<b>PASS</b>

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Reporting Limit.

*This report is issued according to the general clauses in [www.pts-testing.com](http://www.pts-testing.com) by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission. The test item(s) with "n" or "m" in the report was (were) not got CNAS or CMA accreditation, and the test item(s) with "s" was (were) not got CNAS or CMA accreditation and subcontracted.*

**DongGuan Precise Testing and Certification Corp. Ltd. (PTC)**  
Building D, Baoding Technology Park, Guangming 2th Road, Guangming Community,  
Dongcheng District, Dongguan, Guangdong, China  
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.pts-testing.com](http://www.pts-testing.com)



# Test Report

Report No.: PTC-HX-04170420402EN

Date: Apr. 11, 2017

Page 3 of 4

**The table of Migration Elements limit:**

Substance	Limit (mg/kg)		
	Dry, brittle, powder-like or pliable toy material	Liquid or sticky toy material	Scraped-off toy material
Aluminium (Al)	5625	1406	70000
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1500	375	18750
Boron (B)	1200	300	15000
Cadmium (Cd)	1.3	0.3	17
Chromium(III) (Cr <sup>3+</sup> )	37.5	9.4	460
Chromium(VI) (Cr <sup>6+</sup> )	0.02	0.005	0.2
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	622.5	156	7700
Lead (Pb)	13.5	3.4	160
Manganese (Mn)	1200	300	15000
Mercury (Hg)	7.5	1.9	94
Nickel (Ni)	75	18.8	930
Selenium (Se)	37.5	9.4	460
Strontium (Sr)	4500	1125	56000
Tin (Sn)	15000	3750	180000
Organic tin ◇	0.9	0.2	12
Zinc (Zn)	3750	938	46000

Note:

- "◇" = Organic tin include Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin.

**Test Material List**

The following materials apply only to the samples submitted for chemical testing.

Material No.	Description	Location
1	Black rubber with white fabric	Overall

*This report is issued according to the general clauses in [www.pts-testing.com](http://www.pts-testing.com) by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission. The test item(s) with "n" or "m" in the report was (were) not got CNAS or CMA accreditation, and the test item(s) with "s" was (were) not got CNAS or CMA accreditation and subcontracted.*

**DongGuan Precise Testing and Certification Corp. Ltd. (PTC)**  
 Building D, Baoding Technology Park, Guangming 2th Road, Guangming Community,  
 Dongcheng District, Dongguan, Guangdong, China  
 Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.pts-testing.com](http://www.pts-testing.com)



# Test Report

Report No.: PTC-HX-04170420402EN

Date: Apr. 11, 2017

Page 4 of 4

Photo(s) of Sample:



\*\*\*End of Report\*\*\*

*This report is issued according to the general clauses in [www.pts-testing.com](http://www.pts-testing.com) by PTC. Responsibility, guarantee and law restriction are defined in the general service clauses. The report is only responsible for the submitted sample(s) except as otherwise noted. The report could not be copied without permission. The test item(s) with "n" or "m" in the report was (were) not got CNAS or CMA accreditation, and the test item(s) with "s" was (were) not got CNAS or CMA accreditation and subcontracted.*

**DongGuan Precise Testing and Certification Corp. Ltd. (PTC)**  
Building D, Baoding Technology Park, Guangming 2th Road, Guangming Community,  
Dongcheng District, Dongguan, Guangdong, China  
Tel: 86-769-38808222 Fax: 86-769-38826111 [http:// www.pts-testing.com](http://www.pts-testing.com)