



# Test Report

No.T32120220338TC

Date: Jan 19, 2021

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TODDLEKIND GMBH  
RODENBACHER STR. 3A - 63579 FREIGERICHT - GERMANY

The following samples were submitted and identified by/on behalf of the client as:  
PU FOAM PLAYMAT

Case No. : CA321202212879  
Manufacturer Address : CHANGNING THE 1<sup>ST</sup> INDUSTRIAL ESTATE OF BOLUO COUNTY,  
HUIZHOU CITY, GUANGDONG, CHINA  
Supplier : GUANGDONG FAIRNESS ENTERPRISE CO. LTD.  
Country of Origin : CHINA  
Labeled Age Grading : 0+  
Sample Receiving Date : JAN 11, 2021  
Testing Period : JAN 11, 2021 - JAN 19, 2021

Test Requested	Conclusion
1. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Lead and lead compounds	PASS
2. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content	PASS
3. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds	PASS
4. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Polycyclic Aromatic Hydrocarbons (PAHs) Content	PASS
5. Article 11 of European Directive 94/62/EC and its amendments – Total Lead, Cadmium, Mercury and Hexavalent Chromium content	PASS
6. European Regulation (EU) 2019/1021 Persistent Organic Pollutants (POPs Recast) – Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	PASS
7. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Flame Retardants (DecaBDE) Content	PASS
8. Commission Directive (EU) 2015/2115 amending Appendix C of Annex II to European Directive 2009/48/EC – Formamide Requirement	PASS

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS Hong Kong Ltd.

To Man Wah, Po  
Technical Manager

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**Test Results:**
**1. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Lead and lead compounds**

For consumer products (except jewelry) – Lead content

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Heavy Metal in Paint and Other Similar Surface Coatings

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Heavy Metal in Non-Metal Children Product

Test Item(s)	Lead (Pb)
<b>MDL (mg/kg)</b>	<b>10</b>
<b>Permissible Limit (mg/kg)</b>	<b>500</b>
Specimen Description	Result(s) (mg/kg)
1. Beige coating (Pattern) w/ Brown coating (Pattern)	ND
2. White soft plastic (Playmat)	ND

- Note:
- mg/kg = milligram per kilogram
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - 1% = 10000 mg/kg = 10000 ppm

**2. European Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments – Cadmium Content**

Method: With reference to EN1122: 2001 method B / IEC 62321-5:2013

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Atomic Absorption Spectrometer (AAS)

For Plastic

Test Item(s)	Cadmium (Cd)
<b>Permissible Limit (mg/kg)</b>	<b>100</b>
Specimen Description	Result(s) (mg/kg)
1. White soft plastic (Playmat)	ND
2. White foam (Inner playmat)	ND

For Paint on Painted Article

Test Item(s)	Cadmium (Cd)
<b>Permissible Limit (mg/kg)</b>	<b>1000</b>
Specimen Description	Result(s) (mg/kg)
1. Beige coating (Pattern) w/ Brown coating (Pattern)	ND

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- Note:
- Permissible and Reference Limit specified by Commission Regulation (EU) No 494/2011 & Commission Regulation (EU) No 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 and directive 91/338/EC).
  - mg/kg = milligram per kilogram
  - ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit = 5 mg/kg
  - 1% = 10000 mg/kg = 10000 ppm

### 3. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Organostannic compounds

Method: With reference to ISO 17353: 2004

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s) Specimen No.	Result(s) (%)		MDL (%)	Permissible Limit (%)
	1	2		
Dibutyltin (DBT) (as Tin)	ND	ND	0.010	0.1
Diocetyl tin (DOT) (as Tin)	ND	ND	0.010	0.1
Tri-substituted Organostannic Compounds (as Tin)	ND	ND	0.010	0.1

#### Specimen Description:

1. White soft plastic w/ beige coating, brown coating (Playmat)
2. White foam (Inner playmat)

- Note:
- % = percentage by weight
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - NA = Not Applicable
  - Tri-substituted Organostannic compounds are represented by Tributyltin (TBT) compounds, Triphenyltin (TPhT) compounds, Tripropyltin (TPT) compounds, Tricyclohexyltin (TCyT) compounds and Tri-n-octyltin (TOT) compounds, Trimethyltin (TMT) compounds

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**4. Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments – PAHs Content**

Method: With reference to AfPS GS 2019:01 PAK method.

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

For Toy or childcare product

Test Item(s)	CAS No.	Result(s) (mg/kg)	MDL (mg/kg)	Limit* (mg/kg)
Specimen No.	--	1		
1. Benz[a]anthracene	56-55-3	ND	0.1	0.5
2. Chrysene	218-01-9	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	0.1	0.5
8. Dibenz[a,h]anthracene	53-70-3	ND	0.1	0.5

Specimen Description:

- White soft plastic w/ beige coating, brown coating (Playmat)

Note:

- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- mg/kg = milligram per kilogram
- + The limit is specified by Commission Regulation (EU) No 1272/2013 amending Annex XVII to Regulation (EC) No 1907/2006 effective after 27 December 2015.

**5. Article 11 of European Directive 94/62/EC and its amendments – Total Lead, Cadmium, Mercury and Hexavalent Chromium Content**

Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test Item(s)	Pb	Cd	Hg	Cr(VI)	Total (Pb + Cd + Cr(VI)+ Hg)
MDL(mg/kg)	5	5	5	8	--
Permissible Limit (mg/kg)	--	--	--	--	100
Specimen No.	--	--	--	--	--
1	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND

Specimen Description:

- Transparent soft plastic (Packaging bag) + Transparent soft plastic w/ adhesive backing (Adhesive tape)
- Grey soft plastic w/ grey fabric backing (Hook and loop fastener)

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- Note:
- mg/kg = milligram per kilogram
  - 1% = 10000 mg/kg = 10000 ppm
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Results shown as ND are ignored in the sum calculation
  - The result(s) is (are) calculated using the minimum specimen weight for composite test.

#### 6. Regulation (EU) 2019/1021 Persistent Organic Pollutants (POPs Recast) – Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)

Method: With reference to ISO 18219:2015

Analysis was performed by Gas Chromatography Electron Capture Detector (GC-ECD) / Gas Chromatography Negative Chemical Ionization Mass Spectrometry (GC-NCI-MS)

Articles :

Test Item(s) Specimen No.	Result(s) (mg/kg)		MDL (mg/kg)	Permissible Limit (mg/kg)
	1	2		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	ND	ND	50	1500

Specimen Description:

1. White soft plastic w/ beige coating, brown coating (Playmat)
2. White foam (Inner playmat)

- Note:
- mg/kg = milligram per kilogram
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)

#### 7. Regulation (EC) No. 1907/2006 (REACH), Annex XVII – DecaBDE Content

Method: With reference to EPA Method 3550C

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s) Specimen No.	Result(s) (%)		MDL (%)	Permissible Limit (%)
	1	2		
Decabromodiphenyl ether (DecaBDE)	ND	ND	0.0005	0.1

Specimen Description:

1. White soft plastic w/ beige coating, brown coating (Playmat)
2. White foam (Inner playmat)

- Note:
- ND = Not Detected (lower than MDL)
  - MDL = Method Detection Limit
  - % = percentage by weight

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**8. Commission Directive (EU) 2015/2115 amending Appendix C of Annex II to European Directive 2009/48/EC – Formamide Requirement**

Method: Solvent extraction

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Test Item(s)	Result(s) (mg/kg)	MDL (mg/kg)	Permissible Limit (mg/kg)
Specimen No.	1		
Formamide	ND	5	200

Specimen Description:

- White foam (Inner playmat)

- Note:
- mg/kg = milligram per kilogram
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)

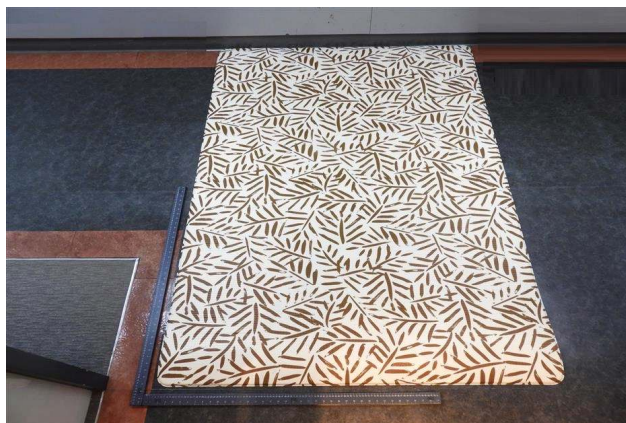
Remark:

- When statement of conformity is made, unless the decision rule was mentioned in above specified test items, the decision rule would be based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability,  $w = U_{95}$ ) in ILAC-G8:09/2019 Clause 4.2.3.  
 "Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%."  
 "Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.  
 "Inconclusive – It is not possible to state the conformity. Either one or more measured values were observed in the portion of the expanded measurement uncertainty intervals at the points tested where the specific risk is up to 50%."

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### Sample Photo:



SGS authenticate the photo on original report only

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

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