



Test Report

No.T51910210076JP

Date: FEB 27, 2019

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JIAN PLASTIC & METAL PRODUCTS LTD
NO.3-1, SOUTH GAOBU BLVD, GAOBU TOWN,
DONGGUAN CITY, GUANGDONG PROVINCE, CHINA,
ZIP CODE:523278

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

MIXTURE SILICONE RAW MATERIAL

Buyer : WORLD WIDE
 Manufacturer : CHINA
 Country of Origin : CHINA
 Country of Destination : WORLD WIDE
 Requested Age Grading : 3+
 Sample Receiving Date : FEB 22, 2019
 Testing Period : FEB 22, 2019 TO FEB 26, 2019

Test Requested		Conclusion
1.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalates content	PASS
2.	DBP, BBP, DEHP, DIBP, DHNUP, DIHP, DMEP, 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear, nPIPP, DIPP, DPP, DnHP and 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear, 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate, DCHP in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH	PASS
3.	CPSIA section 101 - Total Lead content	--
3.1	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	NOT APPLICABLE (SEE REMARK)
3.2	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children’s Metal Jewelry)	PASS



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Test Requested		Conclusion
4.	US 16 CFR Part 1307 – Phthalates	PASS
5.	US California Proposition 65 (County of Alameda Court Case No. RG-10-514803 [Consolidated with Case No. RG 10-545680 and RG 10-545687]) – Cadmium Content	PASS
6.	Japan Toy Safety Standard: Part 3: 2016 Second edition (Selected test items as specified by the applicant, please refer to test result page(s) for details)	--
	Clause 1.9 Phthalates content	PASS
7.	Client's Requirement – Cadmium Content	PASS

Remark : There were no surface coating found in the said submitted sample.

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

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center



Qu Ping, Kiky
Dept. Manager



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Results:
1. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalate content

Method: With reference to CPSC-CH-C1001-09.4

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

Materials can be placed in the mouth for toys & childcare articles

Test Item(s)	CAS No.	Result (s) (%)	MDL (%)	Permissible Limit (%)
Specimen No.	--	1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	0.010	--
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	0.003	--
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	0.010	--
Total (DBP+BBP+DEHP+DIBP)		ND	--	0.1
Total (DINP+DNOP+DIDP)		ND	--	0.1

Specimen Description:

- White silicone rubber

- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - % = percentage by weight
 - Results shown as ND are ignored in the sum calculation



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2. Phthalates in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH

Method: With reference to CPSC-CH-C1001-09.4

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

Test Item(s)	CAS No.	Result(s) (%)	MDL (%)	Permissible Limit# (%)
Specimen No.	--	1		
Alias No.	--	2		
Tracing No.	--	1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.003	0.1
Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters (DHNUP)	68515-42-4	ND	0.01	0.1
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	0.01	0.1
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear^	84777-06-0	ND	0.003	0.1
N-pentyl-isopentylphthalate (nPiPP)	776297-69-9	ND	0.003	0.1
Diisopentyl phthalate (DiPP)	605-50-5	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPenP)	131-18-0	ND	0.003	0.1
Di-n-Hexyl phthalate (DHP/DnHP)	84-75-3	ND	0.003	0.1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	0.003	0.1
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	ND	0.030	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	0.003	0.1

Specimen Description:

- White silicone rubber



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- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - % = percentage by weight
 - # = According to Article 33 of REACH Regulation (EC) No. 1907/2006, fulfilling the requirement of communication in the supply chain is required when the SVHC on the candidate list is / are found to be > 0.1%.
 - ^ = a mixture of i) Di-n-pentyl phthalate (DPP); ii) N-pentyl-isopentylphthalate (nPiPP) and iii) Diisopentyl phthalate (DiPP)

3.2 CPSIA - Lead in Accessible Substrate Materials

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

Test Item(s)			Lead (Pb)
Permissible Limit ** (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. White silicone rubber	3	1	ND

** Permissible Limit applies to a children's product manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm



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4. US 16 CFR Part 1307 – Phthalates Content

Method: With reference to CPSC-CH-C1001-09.4

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

Test Item(s)	CAS No.	Result (s) (%)	MDL (%)	Permissible Limit (%)
Alias No.	--	4		
Tracing No.	--	1		
Specimen No.	--	1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.003	0.1
Di-n-pentyl phthalate(DPP/DPEP/DPENP)	131-18-0	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	0.003	0.1

Specimen Description:

- White silicone rubber

- Note:
- % = percentage by weight
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm


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5. US California Proposition 65 – Cadmium Content

Method: Acid Digestion

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

Test Item(s)			Cadmium (Cd)
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. White silicone rubber	5	1	ND

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 5 ppm

Summary of permissible limits of Cadmium requirement(s):

Requirement(s)	Permissible Limit of Cadmium (ppm)	Effective Date
California Proposition 65 (County of Alameda Court Case No. RG-10-514803 [Consolidated with Case No. RG 10-545680 and RG 10-545687])	300	Current

6. Japan Toy Safety Standard: Part 3: 2016 Second edition

Method: As specified in Japan Toy Safety Standard: Part 3: 2016 Second edition

Clause 1.9 Phthalates content

Test Item	Result (%)	MDL (%)	Limit (%)
	1		
Dibutyl Phthalate (DBP)	ND	0.01	0.1
Benzylbutyl Phthalate (BBP)	ND	0.01	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	0.01	0.1
Diisononyl Phthalate (DINP)	ND	0.05	0.1
Di-n-octyl Phthalate (DNOP)	ND	0.01	0.1
Diisodecyl Phthalate (DIDP)	ND	0.05	0.1

Specimen Description:

1. White silicone rubber

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



7. Cadmium Content

Method: With reference to EN 1122:2001 Method B / IEC62321-5:2013

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

Test Item(s)	Unit	1	MDL	Client's Limit
Alias No.	--	7	--	--
Tracing No.	--	1	--	--
Cadmium (Cd)	mg/kg	ND	5	75

Specimen Description:

- White silicone rubber

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

Sample Photo:



SGS authenticate the photo on original report only

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