



Test Report

No.T51910210081JP

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:

EPOXY

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 27, 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
4.	US 16 CFR Part 1307 – Phthalates	PASS



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Test Requested		Conclusion
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 specimen(s) was/were tested as specified by the applicant, please refer to test result page(s) for details) (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
8.	Client's Requirement – Total content of Mercury	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:

1. Translucent material (Epoxy)

- 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.	--	6		
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:

1. Translucent material (Epoxy)



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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. Translucent material (Epoxy)	1	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.	--	7		
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:

1. Translucent material (Epoxy)

- 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. Translucent material (Epoxy)	2	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. Translucent material (Epoxy)

- 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.	--	4	--	--
Tracing No.	--	1	--	--
Cadmium (Cd)	mg/kg	ND	5	75

Specimen Description:

1. Translucent material (Epoxy)

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

8. Total Content of Mercury

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.1

Test Item(s)		Total Results (ppm)	MDL (ppm)	Client's Limit (ppm)
		1		
Total Mercury	(Hg)	ND	2.5	100

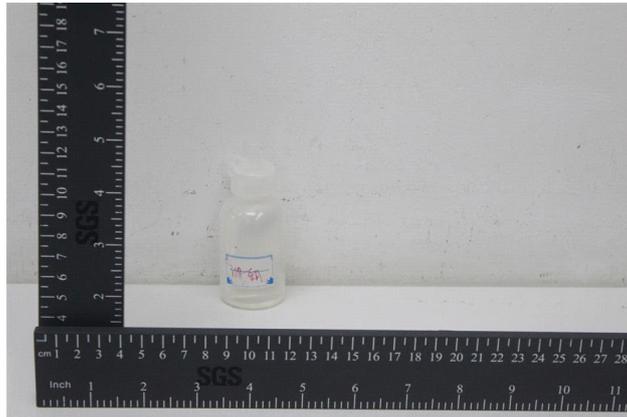
Specimen Description:

1. Translucent material (Epoxy)

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



Sample Photo:



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