

**Test Report** No.T51910210074JP Date: FEB 28, 2019 Page 1 of 10

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:

SOFT CLOISONNE

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 I	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	
	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
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



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Test	Requested	Conclusion
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 – Mercury content	PASS

\*\*\*\*\*\*\* 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) (%)		
Alias No.		1	MDL	Permissible
Tracing No.		1	(%)	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. Transparent wet paint

Note: - ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit
- % = percentage by weight
- Results shown as ND are ignored in the sum calculation
- Result(s) of specimen No.1 is(are) calculated based on the status as received.



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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) (%)		
Specimen No.		1	MDL	Permissible
Alias No.		2	(%)	Limit# (%)
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-isopentylphtalate (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. Transparent wet paint



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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-isopentylphtalate (nPiPP) and iii) Diisopentyl phthalate (DiPP)
- Result(s) of specimen No.1 is(are) calculated based on the status as received.

## 3. CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)	Lead (Pb)		
Permissible Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
Transparent wet paint	3	1	ND

Note: - ppm = parts per million

- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit = 10 ppm
- -1% = 10000 mg/kg = 10000 ppm
- Result(s) of specimen No.1 is(are) calculated based on the status as received.



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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) (%)		
Alias No.		4	MDL (0/)	Permissible
Tracing No.		1	MDL (%)	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
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-pentlyl 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. Transparent wet paint

Note: - % = percentage by weight

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

-1% = 10000 mg/kg = 10000 ppm

- Result(s) of specimen No.1 is(are) calculated based on the status as received.



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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		Tracing No.	Result(s) (ppm)
Transparent wet paint	5	1	ND

Note: - ppm = parts per million

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit = 5 ppm

- Result(s) of specimen No.1 is(are) calculated based on the status as received.

## 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





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#### 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

Toot Itom	Result (%)	MDI (9/)	Limit (%)	
Test Item	1	MDL (%)		
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. Transparent wet paint

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.		8		
Tracing No.		1		
Cadmium (Cd)	mg/kg	ND	5	75

## Specimen Description:

1. Transparent wet paint

Note: - mg/kg = milligram per kilogram

- MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)

- Result(s) of specimen No.1 is(are) calculated based on the status as received.



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# 8. Total Mercury Content

Method: With reference to CPSC-CH-E1003-09.1

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

#### Specimen Description:

1. Transparent wet paint

Note: - ppm = parts per million

- MDL = Method Detection Limit

- ND = Not Detected (lower than MDL)

- Result(s) of specimen No.1 is(are) calculated based on the status as received.





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# Sample Photo:



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