

Test Report

No. CANEC1404992603

Date: 22 Apr 2014

Page 1 of 17

ZHONGSHAN CROWN ADHESIVE PRODUCTS CO.,LTD.

LEFENG SIX ROAD ,MAOHUI INDUSTRIAL ESTATE,HENGLAN

TOWN,ZHONGSHAN,GUANGDONG,CHINA

CROWN (TAICANG) ADHESIVE PRODUCTS CO., LTD.

OUJIANG ROAD ON THE 9TH,SHUANGFENG TOWN,TAICANG CITY,JIANGSU PROVINCE,WENZHOU INDUSTRIAL ZONE,CHINA

The following sample(s) was/were submitted and identified by/on behalf of the client as: Solvent pressure sensitive adhesive tapes

SGS Job No. : CP14-017688 - GZ
Tested sample information : DS11
Client Ref. Info. : See Remark
Date of Sample Received : 11 Apr 2014
Testing Period : 11 Apr 2014 - 17 Apr 2014
Test Requested : A: As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):
1) Lead in accessible substrate materials
B~J: Selected test (s) as requested by client.
Test Method : Please refer to next page(s)
Test Results : Please refer to next page(s)

Result Summary : A:

<u>Test Parameter</u>	<u>Conclusion</u>
CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)	PASS

Conclusion: B: Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) **comply with** the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of
SGS-CSTC Ltd.



Alkene Liang
Approved Signatory

Test Report

No. CANEC1404992603

Date: 22 Apr 2014

Page 2 of 17

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN14-049926.001	Translucent double-side adhesive tape

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated

A:

CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)

Test Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

<u>Test item</u>	<u>Permissible Limit**</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Lead (Pb)	0.01	%	0.002	ND
Comment	---			Pass

** Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

B:

RoHS Directive 2011/65/EU

Test Method:

- (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
- (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
- (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
- (4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

<u>Test Item(s):</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium(Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND

Test Report

No. CANEC1404992603

Date: 22 Apr 2014

Page 3 of 17

Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND

Notes:

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II.

C:

Phthalate(s)

Test Method: With reference to EN 14372:2004, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS No.</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Dibutyl Phthalate (DBP)	84-74-2	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0/ 68515-48-0	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/ 68515-49-1	%(w/w)	0.010	ND

Test Report

No. CANEC1404992603

Date: 22 Apr 2014

Page 4 of 17

Di-n-hexyl phthalate(DnHP)	84-75-3	%(w/w)	0.003	ND
Dimethyl Phthalate (DMP)	131-11-3	%(w/w)	0.003	ND
Diethyl Phthalate (DEP)	84-66-2	%(w/w)	0.003	ND
Dipropyl Phthalate (DPrP)	131-16-8	%(w/w)	0.003	ND
Diiso butyl Phthalate (DIBP)	84-69-5	%(w/w)	0.003	ND
Dipentyl Phthalate (DPP)	131-18-0	%(w/w)	0.003	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	%(w/w)	0.003	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	%(w/w)	0.010	ND
Dinonyl Phthalate (DNP)	84-76-4	%(w/w)	0.003	ND
Diphenyl Phthalate (DPhP)	84-62-8	%(w/w)	0.003	ND
Dibenzyl Phthalate(DBzP)	523-31-9	%(w/w)	0.003	ND

Notes:

- (1) DBP,BBP,DEHP Reference information: Entry 51 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC):
 - i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
 - ii) Toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.Please refer to Regulation (EC) No 552/2009 to get more detail information
- (2) DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).
 - i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
 - ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.Please refer to Regulation (EC) No 552/2009 to get more detail information

D:

PFOA & PFOS (Perfluorooctanoic acid & Perfluorooctane sulfonates)

Test Method: With reference to US EPA Method 3550C:2007, analysis was performed by LC-MS.

Test Item(s)	Unit	<u>MDL</u>	<u>001</u>
Perfluorooctanoic acid (PFOA)	mg/kg	10	ND
Perfluorooctane sulfonates (PFOS)			
PFOS – Acid			
PFOS – Metal Salt	mg/kg	10	ND
PFOS – Amide			

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