



Test Report

No.: SZTY1108041788LP

Date: AUG 11, 2011

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LEO PAPER BAGS MANUFACTURING (1982) LTD.
LEVEL 36, TOWER 1, ENTERPRISE SQUARE FIVE (MEGABOX),
38 WANG CHIU ROAD, KOWLOON BAY, KOWLOON

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

Name of Product/Item : WER WO WAS / QUI QUOI OU / TEKEN HET MAAR
Country of Destination : EUROPE
Request Age Grading : 3+ YEARS
Sample Receiving Date : AUG 08, 2011
Testing Period : AUG 08, 2011 TO AUG 11, 2011

Test Requested	Result
1) Determination of the Cadmium content in the submitted samples in accordance with Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 91/338/EEC).	PASS
2) Determination of specified phthalates contents in the submitted samples in accordance with Entries 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).	PASS

***** For Further Details, Please Refer to the Following Page(s) *****

Signed for and on behalf of
SGS-CSTC Ltd.

Ouyang Qin, Cansy
Section Head

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SGS-CSTC Standards Technical Services Co., Ltd.
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Results:

1) REACH Cadmium

Method: With reference to EN1122: 2001 method B / EPA 3052: 1996.

Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma Atomic Emission Spectrometer.

Specimen Description	Alias No.	Tracing No.	Cd Result (mg/kg)	Limit (mg/kg)
1. Black core	1	1	N.D.	100
2. Multi-color coating on paper board	1	2	N.D.	100
3. Multi-color coating on paper (Card)	1	3	N.D.	100
4. Cream wood	2	1	N.D.	100
5. White surfaced grey paper board	2	2	N.D.	100
6. White paper (Card)	2	3	N.D.	100
7. Red plastics (Sandglass)	2	4	N.D.	100
8. Transparent plastics (Sandglass)	2	5	N.D.	100
9. White paper sheet	2	6	N.D.	100
10. Transparent hot melt glue	2	7	N.D.	100
11. White foam (Washer)	2	8	N.D.	100

Note : - N.D. = Not Detected (< 5mg/kg)
 - 10000 mg/kg = 1%

Remark: According to Commission Regulation (EU) No 494/2011 amending Annex XVII of REACH Regulation (EC) No 1907/2006, the Cadmium requirement as shown in the below table will be effective from 10 Dec 2011.

Scope	Requirement (mg/kg)	Effective date
Substrate: Plastic, metal, brazing filler	100	10 December 2011
Surface coating / paint on article	1000	10 December 2011
Paint	N.D.	10 December 2011

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2) Regulation (EC) No. 1907/2006 (REACH), Annex XVII – Phthalates Content

Method: With reference to CPSC-CH-C1001-09.3

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

For toys and childcare articles that can be placed in the mouth

Test Item(s)		1	2	MDL
Alias No.		3	3	--
Tracing No.		1	2	--
Dibutyl phthalate	(DBP)	ND	ND	0.003%
Benzyl butyl phthalate	(BBP)	ND	ND	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	ND	ND	0.003%
Di-"isononyl" phthalate	(DINP)	ND	ND	0.010%
Di-n-octyl phthalate	(DNOP)	ND	ND	0.003%
Di-"isodecyl" phthalate	(DIDP)	ND	ND	0.010%
Total (DBP+BBP+DEHP)		ND	ND	--
Total (DINP+DNOP+DIDP)		ND	ND	--
Conclusion (for EU requirement)		Pass	Pass	--

Test Item(s)		3	4	MDL
Alias No.		3	4	--
Tracing No.		3	1	--
Dibutyl phthalate	(DBP)	ND	ND	0.003%
Benzyl butyl phthalate	(BBP)	ND	ND	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	ND	0.007%	0.003%
Di-"isononyl" phthalate	(DINP)	ND	ND	0.010%
Di-n-octyl phthalate	(DNOP)	ND	ND	0.003%
Di-"isodecyl" phthalate	(DIDP)	ND	ND	0.010%
Total (DBP+BBP+DEHP)		ND	Minimum 0.007%	--
Total (DINP+DNOP+DIDP)		ND	ND	--
Conclusion (for EU requirement)		Pass	Pass	--

Specimen Description:

1. Multi-color coating on paper board
2. Multi-color coating on paper (Card)
3. Red plastics (Sandglass)
4. Transparent plastics (Sandglass) w/ transparent hot melt glue, white foam (Washer)

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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Summary of upper limits of requirements:

Requirements	Permissible Limit
Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006	
- For all toys and childcare articles	- Total (DBP+BBP+DEHP) ≤ 0.1%
- For toys and childcare articles that can be placed in the mouth	- Total (DINP+DNOP+DIDP) ≤ 0.1%

Sample Photo:



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