



Test Report

No.: SZTY1108041348LP-01

Date: AUG 17, 2011

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

This test report is to supersede test report number SZTY1108041348LP.

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

Name of Product/Item : NINJUTSU
Country of Destination : EUROPE
Request Age Grading : 3+YEARS
Sample Receiving Date : AUG 04, 2011
Testing Period : AUG 04, 2011 TO AUG 10, 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 composite 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.
Shenzhen Branch Toys Laboratory

2,4,5/F, Oastar Building, Zhongkang Road, Shangmeilin, Shenzhen, China 518049 t (86-755) 83114358 f (86-755) 83106190 www.cn.sgs.com
中国·深圳·上梅林中康路奥士达大厦2,4,5层 邮编: 518049 t (86-755) 83114358 f (86-755) 83106190 e sgs.china@sgs.com

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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. White surfaced grey paper board	2	1	ND	100
2. White paper card	2	2	ND	100
3. White surfaced Lt. grey paper board (Arch)	2	3	ND	100
4. Red plastics (Dice)	2	4	ND	100
5. Black plastics (Dice)	2	5	ND	100
6. Black plastics (Support)	2	6	ND	100
7. Red plastics (Support)	2	7	ND	100
8. Multi-color coating on paper board & paper card, white coating (Dice)	3	1	ND	100

Note : - ND = 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	ND	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	3	MDL
Alias No.		1	1	1	--
Tracing No.		1	2	3	--
Dibutyl phthalate	(DBP)	ND	ND	ND	0.003%
Benzyl butyl phthalate	(BBP)	ND	ND	ND	0.003%
Bis-(2-ethylhexyl) phthalate	(DEHP)	0.009%	ND	ND	0.003%
Di-"isononyl" phthalate	(DINP)	ND	ND	ND	0.010%
Di-n-octyl phthalate	(DNOP)	ND	ND	ND	0.003%
Di-"isodecyl" phthalate	(DIDP)	ND	ND	ND	0.010%
Total (DBP+BBP+DEHP)		Minimum 0.009%	ND	ND	--
Total (DINP+DNOP+DIDP)		ND	ND	ND	--
Conclusion (for EU requirement)		Pass	Pass	Pass	--

Specimen Description:

1. Red plastics (Dice) + Black plastics (Dice)
2. Black plastics (Support)+ Red plastics (Support)
3. Multi-color coating on paper board & paper card, white coating (Dice)

Note:

- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- % = percentage by weight
- Results shown as ND are ignored in the sum calculation
- Composite test has been performed as per client's request and the result(s) is (are) calculated using the total specimen weight

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%

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Sample Photo:



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*** End of Report ***

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