



**BUREAU  
VERITAS**

# TEST REPORT

LAB NO. : (6614)168-1205  
DATE : June 23, 2014  
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**APPLICANT** : LUMI LEGEND CORPORATION  
22/F., BUILDING 1, LISI PLAZA, HUIFENG EAST ROAD, NINGBO,  
CHINA 315100

申请人公司名称 : 宁波渠成进出口有限公司  
宁波市惠风东路利时金融大厦 1 号 22 楼

**DATE OF SUBMISSION** : June 17, 2014  
样品收取日期 : 2014 年 6 月 17 日

**TEST PERIOD** : June 17, 2014 to June 23, 2014  
所需工作周期 : 2014 年 6 月 17 日至 2014 年 6 月 23 日

**NO. OF WORKING DAY(S)** : 5  
所需工作日 : 5

**SAMPLE DESCRIPTION** : Received samples stated to be Children's Tables and Chairs  
样品描述 : Style No.: C301 C302 C304 C305 C306 C307 A301 A303 A304 A305  
B201 B202 B203 B204 B205  
Color: Red/Blue/Green

<b>TESTED ITEM 1</b> : White/black coating	<b>TESTED ITEM 6</b> : Transparent plastic
<b>TESTED ITEM 2</b> : Blue plastic	<b>TESTED ITEM 7</b> : Green plastic
<b>TESTED ITEM 3</b> : Blue plastic	<b>TESTED ITEM 8</b> : Pink plastic
<b>TESTED ITEM 4</b> : Beige film	<b>TESTED ITEM 9</b> : Pink plastic
<b>TESTED ITEM 5</b> : Black plastic	<b>TESTED ITEM 10</b> : Grey plastic

## SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Migration of Certain Elements (EN71-3: 2013)	PASS

Note:

- 1) The tested part of the sample was specified by client.
- 2) The test conclusion was given based on the results of tested part.

### REMARK/备注

If there are questions or concerns on this report, please contact the following persons:

若有任何疑问或咨询, 可通过下述联络方式与我们联系

General enquiry and invoicing

其他问题

许祥晖/王琼 小姐 Ms. Lucy Xu/ Sally Wang

(021) 24166888\*6842/6831

Lucy.xu@cn.bureauveritas.com/ Sally.wang@cn.bureauveritas.com

Technical enquiry

技术问题

余克刚 先生/ 黄睿一 小姐 Mr. Gorden.Yu/ Ms. Joyce Huang

(021) 24166888\*6852/6860

Gorden.Yu@cn.bureauveritas.com/ Joyce.huang@cn.bureauveritas.com

**BUREAU VERITAS**

**CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**

必维国际检验集团-必维申美商品检测(上海)有限公司

PREPARED BY : Selma

制定:

余克刚 Gorden Yu

电子电器分析部实验室经理

Electrical & Electronic Analytical LABORATORY MANAGER

RW/2014

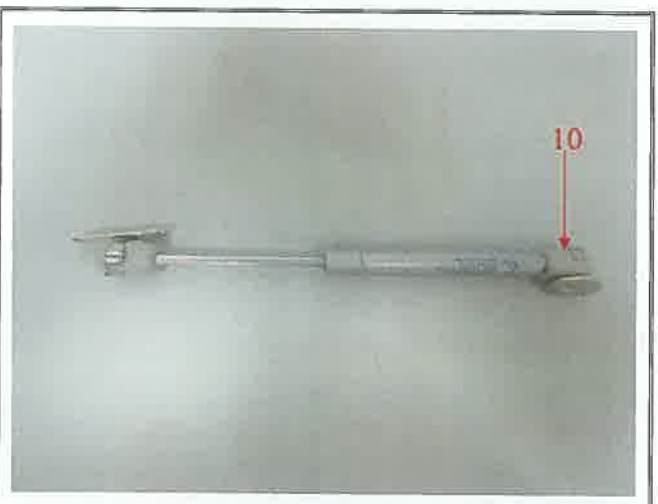
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**Photo of the Submitted Sample**



**Photo of the Submitted Sample**





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**TEST RESULT**

**Migration of Certain Elements (EN71-3: 2013)**

Test Method : European Standard EN71-3: 2013, Section 8.

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Dry, brittle, powder-like or pliable toy material
	Type II	Liquid or sticky toy material
	Type III	Scraped-off toy material

-	Unit	Non-German Req.	German Req.	Result				
				1	2	3	4	5
Test Item(s)	-	-	-	1	2	3	4	5
Category	-	III	III	III	III	III	III	III
Parameter	-	-	-	-	-	-	-	-
Mass of Trace Amount	g	-	-	-	-	-	-	-
Boron (B)	mg/kg	15000	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	mg/kg	70000	70000	<7000	<7000	<7000	<7000	<7000
Chromium III (Cr III)	mg/kg	460	460	<46	0.044 <sup>(a)</sup>	0.042 <sup>(a)</sup>	0.115 <sup>(a)</sup>	0.032 <sup>(a)</sup>
Chromium VI (Cr VI)	mg/kg	0.2	0.2	<0.02	0.044 <sup>(a)</sup>	0.042 <sup>(a)</sup>	0.115 <sup>(a)</sup>	0.032 <sup>(a)</sup>
Manganese (Mn)	mg/kg	15000	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	mg/kg	130	130	<13	<13	<13	<13	<13
Nickel (Ni)	mg/kg	930	930	<93	<93	<93	<93	<93
Copper (Cu)	mg/kg	7700	7700	<770	<770	<770	<770	<770
Zinc (Zn)	mg/kg	46000	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	mg/kg	47	25	<2.5	<2.5	<2.5	<2.5	<2.5
Selenium (Se)	mg/kg	460	460	<46	<46	<46	<46	<46
Strontium (Sr)	mg/kg	56000	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	mg/kg	17	17	<1.7	<1.7	4.58	<1.7	<1.7
Tin (Sn)	mg/kg	180000	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	mg/kg	12	12	<12*	<12*	<12*	<12*	<12*
Antimony (Sb)	mg/kg	560	60	<6.0	<6.0	<6.0	<6.0	<6.0
Barium (Ba)	mg/kg	18750	1000	329	<100	<100	<100	<100
Mercury (Hg)	mg/kg	94	60	<6.0	<6.0	<6.0	<6.0	<6.0
Lead (Pb)	mg/kg	160	90	<4.7	<4.7	<4.7	<4.7	<4.7
Conclusion	-	-	-	PASS	PASS	PASS	PASS	PASS



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**TEST RESULT**

**Migration of Certain Elements (EN71-3: 2013)**

Test Method : European Standard EN71-3: 2013, Section 8.

See Soluble Element (Parameter) and its corresponding Maximum Allowable Limit (Req.) in Result Table	Type I	Dry, brittle, powder-like or pliable toy material
	Type II	Liquid or sticky toy material
	Type III	Scraped-off toy material

-	Unit	Non-German Req.	German Req.	Result				
				6	7	8	9	10
Test Item(s)	-	-	-	6	7	8	9	10
Category		III	III	III	III	III	III	III
Parameter		-	-	-	-	-	-	-
Mass of Trace Amount	g	-	-	-	-	-	-	-
Boron (B)	mg/kg	15000	15000	<1500	<1500	<1500	<1500	<1500
Aluminium (Al)	mg/kg	70000	70000	<7000	<7000	<7000	<7000	<7000
Chromium III (Cr III)	mg/kg	460	460	0.057 <sup>a</sup>	0.022 <sup>a</sup>	0.050 <sup>@</sup>	0.030 <sup>a</sup>	0.031 <sup>@</sup>
Chromium VI (Cr VI)	mg/kg	0.2	0.2	0.057 <sup>a</sup>	0.022 <sup>a</sup>	0.050 <sup>@</sup>	0.030 <sup>a</sup>	0.031 <sup>@</sup>
Manganese (Mn)	mg/kg	15000	15000	<1500	<1500	<1500	<1500	<1500
Cobalt (Co)	mg/kg	130	130	<13	<13	<13	<13	<13
Nickel (Ni)	mg/kg	930	930	<93	<93	<93	<93	<93
Copper (Cu)	mg/kg	7700	7700	<770	<770	<770	<770	<770
Zinc (Zn)	mg/kg	46000	46000	<4600	<4600	<4600	<4600	<4600
Arsenic (As)	mg/kg	47	25	<2.5	<2.5	<2.5	<2.5	<2.5
Selenium (Se)	mg/kg	460	460	<46	<46	<46	<46	<46
Strontium (Sr)	mg/kg	56000	56000	<5600	<5600	<5600	<5600	<5600
Cadmium (Cd)	mg/kg	17	17	<1.7	<1.7	<1.7	<1.7	<1.7
Tin (Sn)	mg/kg	180000	180000	<18000	<18000	<18000	<18000	<18000
Organic tin	mg/kg	12	12	<12*	<12*	<12*	<12*	<12*
Antimony (Sb)	mg/kg	560	60	<6.0	<6.0	<6.0	<6.0	<6.0
Barium (Ba)	mg/kg	18750	1000	<100	<100	<100	<100	<100
Mercury (Hg)	mg/kg	94	60	<6.0	<6.0	<6.0	<6.0	<6.0
Lead (Pb)	mg/kg	160	90	<4.7	<4.7	<4.7	<4.7	<4.7
Conclusion	-	-	-	PASS	PASS	PASS	PASS	PASS



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Note / Key :

ND = Not detected

NR = Not requested

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

">" = Greater than

g = gram(s)

Req. = Requirement

Remark :

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content.
- If combined Cr content exceeds 0.02mg/kg in I mat., 0.005 mg/kg in II mat., or 0.2mg/kg in III mat., confirmation Cr(VI) by LC-ICP-MS or IC and Cr(III) by LC-ICP-MS. If confirmation with IC, Cr(III)=Combined Cr – Cr(VI).
- Result(s) of organic tin was (were) reported as soluble tin content.
- \*The report limit of OT is reported by soluble tin screening.
- @ = The result is reported as Chromium content

Comment :

<b>Proposals to amendment of European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 :</b>			
-	<b>Category I</b>	<b>Category II</b>	<b>Category III</b>
<b>Element(s)</b>	Lead (Pb)	Lead (Pb)	Lead (Pb)
<b>Current</b>	13.5 mg/kg	3.4 mg/kg	160 mg/kg
<b>Proposed</b>	4 mg/kg	1 mg/kg	47 mg/kg

END