

# Test Report

Report No. SCL03J000366006

Page 1 of 4

**Applicant** ZHONGSHAN FUZHOU ADHESIVE-PRODUCT CO.,LTD  
**Address** TORCH HIGH-TECH DEVELOPMENT ZONE,ZHONGSHAN  
CITY,GUANGDONG PROVINCE CHINA

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

Sample Name synthetic paper  
Reference Sample Name 合成纸、珠光合成纸、PP合成纸  
Client Reference YL/YL-G/PG-38#/PG-54#/PG-75#/PG-100#/YL-PP/YLTM/PG-75#(HTC)  
Information  
Sample Received Date Jan. 19, 2017  
Testing Period Jan. 19, 2017 to Jan. 23, 2017

## Executive Summary:

### TEST REQUEST

European Standard on Safety of Toys:

- EN 71-3:2013+A1:2014 Migration of certain elements

### CONCLUSION

**Pass**

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

Tested by

Huangping Huang

Approved by

Qinghong Wan

Qinghong Wan

Technical Manager

Reviewed by

Wenjun Wang

Date

Jan. 26, 2017

No. R131020088

Centre Testing International Group Co.,Ltd. Shunde Branch

9/F., Yongying Building, Section 2, No.8, East of Rongqi Avenue, Ronggui, Shunde District, Foshan, Guangdong, China

# Test Report

Report No. SCL03J000366006

Page 2 of 4

▼ **EN 71-3:2013+A1:2014 Migration of certain elements**

Method(s) EN 71-3:2013+A1:2014 was/were used, and the item(s) was/were determined by ICP-OES, GC-MS.

**Category III: scraped-off toy material**

<u>Tested Item</u>	<u>Result</u> (mg/kg)	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
Aluminium (Al)	N.D.	50	70000
Antimony (Sb)	N.D.	5	560
Arsenic (As)	N.D.	5	47
Barium (Ba)	N.D.	50	18750
Boron (B)	N.D.	50	15000
Cadmium (Cd)	N.D.	1	17
Chromium (III) <sup>#1</sup>	N.D.	0.2	460
Chromium (VI)	N.D.	0.16	0.2
Cobalt (Co)	N.D.	5	130
Copper (Cu)	N.D.	50	7700
Lead (Pb)	N.D.	5	160
Manganese (Mn)	N.D.	50	15000
Mercury (Hg)	N.D.	5	94
Nickel (Ni)	N.D.	5	930
Selenium (Se)	N.D.	5	460
Strontium (Sr)	N.D.	50	56000
Tin (Sn) <sup>#2</sup>	N.D.	2	180000
Organic tin (TBT) <sup>#3</sup>	N.D.	0.05	12
Zinc (Zn)	N.D.	50	46000

# Test Report

**Report No.** SCL03J000366006

Page 3 of 4

**Tested Sample/Part Description** White plastic film

**Remark:**

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Filter paper was used instead of membrane filter in lab testing.
- <sup>#1</sup> Trivalent chromium (Cr (III)) = Chromium (Cr) - Hexavalent chromium (Cr (VI)) , where the chromium content exceeded the limits of hexavalent chromium and/or trivalent chromium, then hexavalent chromium was analyzed by HPLC-ICP-MS/UV-Vis and trivalent chromium content was calculated using the formula.
- <sup>#2</sup> Tin (Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2013+A1:2014.
- <sup>#3</sup> The migration of organic tin is expressed as tributyltin (TBT). where the tin content exceeded the limit of organic tin, ten organic tins listed in table were determined by GC-MS and the client should be noted there are other organic tins may be present in toy materials.

Organic tins tested under EN 71-3:2013+A1:2014
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)

# Test Report

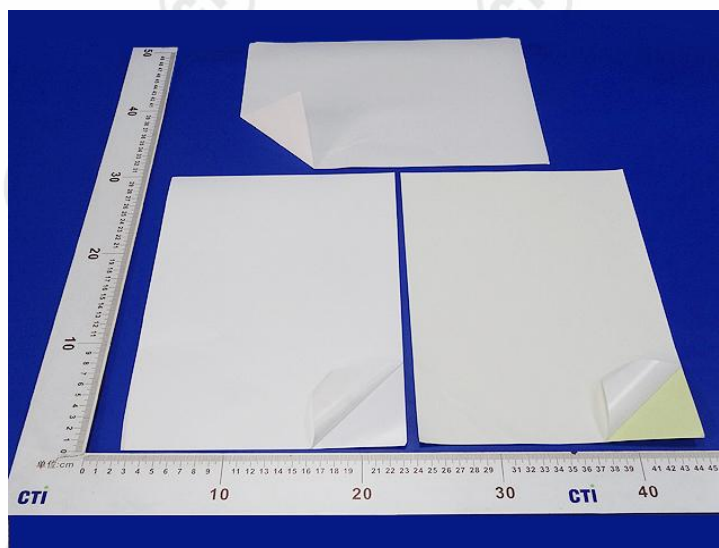
Report No. SCL03J000366006

Page 4 of 4

## Photo(s) of the sample(s)



## Photo(s) for reference



At the request of client, the product(s) in this report is/are provided by applicant (non-tested sample(s)).

\*\*\* End of report \*\*\*

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.