



**Test Report**

Number: SZHH01031688

Applicant: JIANGMEN TOYO INK CO., LTD  
NO.32~33 LONG WAN WEST ROAD,  
JIANGMEN CITY, GUANGDONG PROVINCE,  
CHINA

Date: Feb 25, 2016

Attn: ZHANG WEI XIA

**Sample Description:**

One (1) submitted sample said to be **G-T48 transparent varnish and golden varnish/G-T48 透明油,金油.**  
Other Information : G-T48 Series Transparent Varnish and Golden Varnish/G-T48 系列透明油,金油.  
Date Sample Received : Feb 19, 2016.



**Tests conducted:**

As requested by the applicant, refer to attached page(s) for details.

**Conclusion:**

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested component of submitted sample	EN71-3:2013+A1:2014 on migration of certain elem	Pass

Authorized by:  
For Intertek Testing Services  
Shenzhen Ltd.

Ben N.L. Lin  
General Manager



**Intertek Testing Services Shenzhen Ltd.- Hardlines**

深圳天祥质量技术服务有限公司-轻工产品事业部  
301A, 302B, 6/F. 7/F Shekou Technology Main Bldg. and Room 1E of Nanshan Building,  
Nanhai Ave., Nanshan District, Shenzhen, China  
深圳市南山区南海大道科技大厦 301A、302B、六层、七层、南山大厦 1楼 1E 房  
Tel: (86-755) 2602 0111 Fax: (86-755) 2683 7118/9 Postcode: 518067  
www.intertek.com www.intertek.com.cn China Toll-Free:400 886 9926  
**Attention is drawn to the terms and conditions printed overleaf.**

Tests Conducted

1 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component			
	(1)			
Aluminium (Al)	ND		300	70000
Antimony (Sb)	ND		10	560
Arsenic (As)	ND		10	47
Barium (Ba)	ND		10	18750
Boron (B)	ND		50	15000
Cadmium (Cd)	ND		5	17
Chromium (III) (Cr III) **	ND		10	460
Chromium (VI) (Cr VI) **	ND		0.1	0.2
Cobalt (Co)	ND		10	130
Copper (Cu)	ND		10	7700
Lead (Pb)	ND		10	160
Manganese (Mn)	ND		10	15000
Mercury (Hg)	ND		10	94
Nickel (Ni)	ND		10	930
Selenium (Se)	ND		10	460
Strontium (Sr)	ND		100	56000
Tin (Sn)	ND		10	180000
Organic tin **	ND		2.0	12
Zinc (Zn)	ND		100	46000

Remark : mg/kg = milligram per kilogram

ND = Not detected

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

# = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

Tested Component: (1) Transparent wet paint.

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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III : Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone , leather and other materials).

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End of report

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