

81356-XXXX

**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 1 of 7

YIXING HUHUA STATIONERY CO.,LTD  
ZHOUTIE,YIXING CITY,JIANGSU PROVINCE,CHINA

**Toxicological Risk Assessment (TRA) Cover Page**

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

INK PAD (1 formula and 11 additional colors).

Net Weight : 1G EACH  
Sample Information : FORMULATION WITH CHEMICAL NAME, CAS NO. AND PERCENTAGE  
Received :  
Buyer : SPICEBOX BOOKS DEVELOPMENT  
Manufacturer : YIXING HUHUA STATIONERY CO.,LTD.  
Region of Origin : CHINA  
Region of Destination : CANADA  
Order Receiving Date : NOV 27, 2017  
Assessment Period : NOV 27, 2017 TO DEC 04, 2017

**Service Requested**

Toxicological Risk Assessment (TRA) for the said product per information provided.

**Conclusion**

Please refer to the section "CONCLUSION"



SGS-CS (Shenzhen) Technical Services Co., Ltd.  
Shenzhen Branch Testing Center Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443; or e-mail: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
SGS Bldg. No. 4, Jiaohua Industrial Park, No. 430, Jiahua Road, Baidan, Longgang District, Shenzhen, China 518129 t (86-755) 25328888 f (86-755) 83106190 www.sgs.com.cn  
中国·深圳·龙岗区坂田吉华路430号江源工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328888 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

[illegible]

SGS-CSTC  
Shenzhen Branch Testing Center Hardlines



The image consists of two vertically stacked grayscale photographs of a film strip. Each photograph shows a horizontal strip of film with six frames visible. Above the film strip is a ruler with markings from 15 to 38. The film strip has a dark, irregular mark in frame 40. The top photograph shows the film strip with a dark, irregular mark in frame 40. The bottom photograph shows the film strip with a dark, irregular mark in frame 40. Both photographs include a ruler at the top with markings from 15 to 38.

Page 2 of 7



**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 3 of 7

The validity of this review depends on accurate disclosure by both the manufacturer(s) of the components and of the finished products. Best professional capabilities are used in performing this review. If client wishes to use this opinion with any alterations to the submitted formula, SGS-CSTC Standard Technical Services Co., Ltd. Shenzhen Branch-Toy laboratory or any of its employees will not be held liable for any injury or damage resulting from this product. A review of this assessment should be programmed at regular and frequent intervals (upon reformulation of the components or the finished products or upon any change to health and safety regulations).

Disclaimer ©2016 SGS SA. All rights reserved. The Company's consulting services, including compilation(s) of data and any review of formulation, are based upon the Company's know-how and on publicly available sources available at the time the services were provided. The Company disclaims any and all liability for the accuracy of any such publicly available information or any legal interpretation of such information. The Company provides its services in a consulting capacity only and offers no legal opinion(s) herein. The opinions provided by the Company are not a substitute for professional legal advice and Client should seek legal review to ensure compliance with any applicable laws and regulations.

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

Signed for and on behalf of  
SGS-CSTC Standards Technical  
Services Co., Ltd. Shenzhen Branch Testing Center

Feng Shaohong, Jessica  
Lab Manager



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/terms-and-conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 5307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

1 655 Bay No. 4, Jiangyin Industrial Park, No. 432, Jiu Road, Bafan, Longgang District, Shenzhen, China 518129 t (86-755) 25328888 f (86-755) 83106190 www.sgs.com.cn  
中国·深圳·龙岗区坂田吉华路430号江源工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328888 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 4 of 7

**TOXICOLOGICAL RISK ASSESSMENT REPORT**

The formula of INK PAD (red, violet, blue, black, green, yellow, white, orange, pink, grass green, watery red and sky blue) is reviewed. The product is for Canada market and intended for playing by children of 8 years old or above as client claims. The net weight of ink (The formula under assessment) is 1g per color.

**This risk assessment takes account of:**

Corrosivity  
Skin irritation  
Eye irritation  
Strong sensitization  
Oral toxicity  
Inhalation toxicity

**According to:**

Canada Toys Regulations (SOR/2011-17 Sections 25 and 26)

**The followings were considered in this toxicological assessment**

Ingredient toxicological profile  
Potential ingredient interaction  
Consumer exposure scenario



SGS-CSTC Inspection & Testing Services Co., Ltd.  
Shenzhen Branch Testing Center Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS Bldg, No. 4, Jiangnan Industrial Park, No. 430, Jihua Road, Bantian, Longgang District, Shenzhen, China 518129 t (86-755) 25328888 f (86-755) 83106190 www.sgs.com.cn  
中国·深圳·龙岗区坂田吉华路430号江澜工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328888 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 5 of 7

**Section I. FORMULATION REVIEW**

INGREDIENT NAME	CAS NO./RN CAS	% BY WEIGHT (% ACTIVE)
<b>BASIC FORMULATION</b>		
WATER	7732-18-5	51
GLYCEROL	56-81-5	42.8
<b>RED</b>		
PIGMENT RED	6535-46-2	6.2
<b>VIOLET</b>		
PIGMENT VIOLET	6358-30-1	6.2
<b>BLUE</b>		
PIGMENT BLUE	147-14-8	6.2
<b>BLACK</b>		
PIGMENT BLACK	1333-86-4	6.2
<b>GREEN</b>		
ALPHAZURINE A	3486-30-4	3
YELLOW G	6359-82-6	3.2
<b>YELLOW</b>		
PIGMENT YELLOW	5102-83-0	5.1
PIGMENT RED	6535-46-2	1.1
<b>WHITE</b>		
TITANIUM DIOXIDE	13463-67-7	6.2
<b>ORANGE</b>		
PIGMENT RED	6535-46-2	5.3
CATONIC GOLD YELLOW	54060-92-3	0.9
<b>PINK</b>		
TITANIUM DIOXIDE	13463-67-7	2
QUINACRIDONE	1047-16-1	4.2
<b>GRASS GREEN</b>		
ALPHAZURINE A	3486-30-4	2.8
YELLOW G	6359-82-6	3.4
<b>WATERY RED</b>		
TITANIUM DIOXIDE	13463-67-7	2.2
QUINACRIDONE	1047-16-1	4
<b>SKY BLUE</b>		
TITANIUM DIOXIDE	13463-67-7	1.2
PIGMENT BLUE	147-14-8	5



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

1 63550g, No. 4, Jiaqiao Industrial Park, No. 432, Jia Road, Salfen, Longgang District, Shenzhen, China 518129 t (86-755) 25328608 f (86-755) 83106190 www.sgs.com.cn  
中国·深圳·龙岗区坂田吉华路430号江顺工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328688 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 6 of 7

The reported ingredients are not considered to cause acute oral toxicity, eye/ skin irritations, be corrosive or strong sensitization as defined according to the Canada Toys Regulations (SOR/2011-17 Sections 25&26) with the stated net weight of the product.

No allergenic fragrance has been indicated to be present in the formulation.

**Section II. CONSUMER HEALTH RISK ASSESSMENT**

Afore-mentioned formulation has been reviewed for safety at the basis of the following assumptions.

**Exposure assessment**

The following assumptions have been made for assessment of exposure:

- Product category: ink pad
- Physical form: liquid
- Intended use (suggested use): ink pad stamp for stencil
- Accessibility: this product will contact with the consumer directly
- Exposure route(s): primarily via dermal contact
- Default body weight: 28kg
- Target population: children of 8 years old and above as client claims

**Section III. RISK EVALUATION**

Provided the manufacturer's instructions are followed, this product is unlikely to cause damage to internal organs through skin and inhalation in majority of consumers under normal and reasonably foreseeable conditions of use. However, this product should also comply with applicable toy regulation e.g. choking to substantiate its safety.

**Section IV. CONCLUSION**

The formula is not expected to cause acute oral toxicity, skin and eye irritation, be corrosive or be a strong sensitizer. Provided the manufacturer's instructions are followed, it is considered that, in the present state of knowledge, the submitted formulation put on the market is unlikely to pose a significant risk to the health of intended consumer under normal and reasonably foreseeable conditions of use.

**Recommended Safety Labelling**

Not Applicable



SGS-CSTC (Shenzhen) Testing Center Co., Ltd.  
Shenzhen Branch Testing Center Hardlines

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-for-Electronic-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS Bldg, No. 4, Jiaqiao Industrial Park, No. 430, Jihua Road, Bantian, Longgang District, Shenzhen, China 518129 t (86-755) 25328868 f (86-755) 83106190 [www.sgs.com](http://www.sgs.com)  
中国·深圳·龙岗区坂田吉华路430号江厦工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328868 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)

**Test Report**

No.: T51710280065TA

Date: DEC 04, 2017

Page 7 of 7

**The TRA assessment is valid under the following conditions:**

1. Potential physical, mechanical, electrical and microbiological risks of the product have not been assessed and evaluated.
2. The formulation, description and other supporting documents of the product were assumed to be valid and accurate.
3. It was assumed that either the ingredients, or the finished product contain no contaminants or residues that cause toxicity to a consumer who may be exposed. All polymers should be well-cured if they are present in the formulation.
4. The risk evaluation can solely be applied to and appropriate for, the product described above under the stated conditions. Modification of any components of the finished product, such as net weight, adjustment of ingredient concentrations, should therefore require re-evaluation.
5. Heavy metal contents in the product were not assessed and evaluated.
6. This product has been assessed for compliance only with the regulation(s) specified herein.
7. If there is an adverse reaction from using this formulation then the undersigned should be informed so that the formulation can be further reviewed.
8. This product has been evaluated for human health only, environmental concern/ ecotoxicity is not assessed in this report.
9. The assessment is performed by in-house method, taking reference of available consumer product exposure database, literature data to the best of knowledge by the time of assessment.

HONGJING XU MB, MPH,  
Diplomate, American Board of Toxicology,  
European Registered Toxicologist,  
Certified Toxicologist of CSOT  
Certified Cosmetic Safety Assessor

\*\*\*\*\* End of Report \*\*\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS Group, No. 4, Jinyao Industrial Park, No. 432, Jia Road, Garden, Longgang District, Shenzhen, China 518129 t (86-755) 25328688 f (86-755) 83106190 www.sgs.com.cn  
中国·深圳·龙岗区坂田吉华路430号江源工业园4栋SGS大楼 邮编: 518129 t (86-755) 25328688 f (86-755) 83106190 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Member of the SGS Group (SGS SA)