

## Test Report

Report No.: SFW21200967

Report Issue Date : Mar 05, 2021

Page 1 of 3

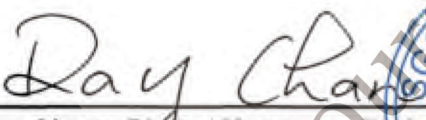
New Prismatic Enterprise Co., Ltd.

4F., No. 203-1, Yung Feng Rd., Tu-Cheng District, New Taipei City 236-44, Taiwan

The following sample(s) was / were submitted and identified on behalf of the client as :

|                       |                                      |
|-----------------------|--------------------------------------|
| Material Name         | : Liquid Crystal Ink 6 Color         |
| Color                 | : Tawny                              |
| Material Composition  | : Organic Pigment                    |
| Sample Submitted By   | : New Prismatic Enterprise Co., Ltd. |
| Sample Receiving Date | : Feb 26, 2021                       |
| Testing Period        | : Feb 26, 2021 ~ Mar 05, 2021        |

Test Method & Results : Please refer to next page(s).

  
Ray Chang Ph.D. / Manager - Tech  
Signed for and on behalf of  
SGS Taiwan Limited  
Chemical Laboratory-Kaohsiung



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Report No.: SFW21200967

Report Issue Date : Mar 05, 2021

Page 2 of 3

Test Results :

## EN71-3: 2019 – Migration of certain elements

Category II: Liquid or Sticky toy material

Method: With reference to EN71-3: 2019. Analysis of general elements was performed by ICP-MS. Chromium (III) was obtained by calculation, Chromium (VI) was analyzed by LC-ICP-MS. Organic Tin was analyzed by GC-MS.

| Test Item              |            | Result (mg/kg) | Reporting Limit (mg/kg) | Reference Limit** (mg/kg) |
|------------------------|------------|----------------|-------------------------|---------------------------|
|                        |            | 1              |                         |                           |
| Soluble Aluminium      | (Al)       | n.d.           | 50                      | 1,406                     |
| Soluble Antimony       | (Sb)       | n.d.           | 1                       | 11.3                      |
| Soluble Arsenic        | (As)       | n.d.           | 0.4                     | 0.9                       |
| Soluble Barium         | (Ba)       | n.d.           | 50                      | 375                       |
| Soluble Boron          | (B)        | n.d.           | 50                      | 300                       |
| Soluble Cadmium        | (Cd)       | n.d.           | 0.1                     | 0.3                       |
| Soluble Chromium (III) | (Cr (III)) | n.d.           | 1                       | 9.4                       |
| Soluble Chromium (VI)  | (Cr (VI))  | n.d.           | 0.0025                  | 0.005                     |
| Soluble Cobalt         | (Co)       | n.d.           | 0.5                     | 2.6                       |
| Soluble Copper         | (Cu)       | n.d.           | 50                      | 156                       |
| Soluble Lead           | (Pb)       | n.d.           | 0.2                     | 0.5                       |
| Soluble Manganese      | (Mn)       | n.d.           | 50                      | 300                       |
| Soluble Mercury        | (Hg)       | n.d.           | 0.5                     | 1.9                       |
| Soluble Nickel         | (Ni)       | n.d.           | 9                       | 18.8                      |
| Soluble Selenium       | (Se)       | n.d.           | 4                       | 9.4                       |
| Soluble Strontium      | (Sr)       | n.d.           | 50                      | 1,125                     |
| Soluble Zinc           | (Zn)       | n.d.           | 50                      | 938                       |
| Soluble Tin            | (Sn)       | n.d.           | 0.08                    | 3,750                     |
| Soluble Organic Tin    | --         | n.d.           | --                      | 0.2                       |

| Test Item(s)    |         | Soluble Organic Tin Result(s) (mg/kg) | MDL (mg/kg) |
|-----------------|---------|---------------------------------------|-------------|
|                 |         | 1                                     |             |
| Methyl tin      | (MeT)   | n.d.                                  | 0.03        |
| Dimethyl tin    | (DMT)   | n.d.                                  | 0.03        |
| Di-n-propyl tin | (DProT) | n.d.                                  | 0.03        |
| Butyl tin       | (BuT)   | n.d.                                  | 0.03        |
| Dibutyl tin     | (DBT)   | n.d.                                  | 0.03        |
| Tributyl tin    | (TBT)   | n.d.                                  | 0.03        |
| n-Octyl tin     | (MOT)   | n.d.                                  | 0.03        |
| Tetrabutyl tin  | (TeBT)  | n.d.                                  | 0.03        |
| Diphenyl tin    | (DPhT)  | n.d.                                  | 0.03        |
| Di-n-octyl tin  | (DOT)   | n.d.                                  | 0.03        |
| Triphenyl tin   | (TPhT)  | n.d.                                  | 0.03        |

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## Test Report

Report No.: SFW21200967

Report Issue Date : Mar 05, 2021

Page 3 of 3

### Sample Description :

1. Tawny Liquid

Note : - mg/kg = milligram per kilogram

- n.d. = Not Detected

- 1% = 10000 mg/kg = 10000 ppm

- Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)

-

Remark : \*\* = Test requirement in the submitted sample is not applicable. The product scope that mentioned by European Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725 is for toy material.

### Sample Photo

## SFW21200967



SGS authenticate the photo on original report only

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

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