

# EN71 CERTIFICATE

Sunmicrotek and 3rd party(SGS) provide the certification of compliance below;

## Certificate No.

F690101/LF-CTSAYHA19-07085  
SGS File No. AYHA19-07085

## Product Description

Heat Transfer Vinyl  
Chameleon

## Issued Date

2019. 06. 19

## Test Requested

EN71-3:2013 + A3:2018 - Migration of certain elements  
(By all conclusive testing)

## Conclusion

PASS

## Manufacturer

SUNMICROTEK CO., LTD.  
#1107 Gayang techno town  
217 Heojun-ro, Seoul  
Korea

## Approved 3rd Party Test Laboratory

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si,  
Gyeonggi-do, Korea 14117  
SGS Korea Co., Ltd.  
t +82 (0)31 4608 000 f +82 (0)31 4608 059

SGS

## Certification

| Test Item                     | Result(mg/kg) |
|-------------------------------|---------------|
| Mass of trace amount (mg)     | -             |
| Soluble Aluminium (Al)        | ND            |
| Soluble Antimony (Sb)         | ND            |
| Soluble Arsenic (As)          | ND            |
| Soluble Barium (Ba)           | ND            |
| Soluble Boron (B)             | ND            |
| Soluble Cadmium (Cd)          | ND            |
| Soluble Chromium (Cr)         | ND            |
| Soluble Chromium III (Cr III) | ND            |
| Soluble Chromium VI (Cr VI)   | ND            |
| Soluble Cobalt (Co)           | ND            |
| Soluble Cooper (Cu)           | ND            |
| Soluble Lead (Pb)             | ND            |
| Soluble Manganese (Mn)        | ND            |
| Soluble Mercury (Hg)          | ND            |
| Soluble Nickel (Ni)           | ND            |
| Soluble Selenium (Se)         | ND            |
| Soluble Strontium (Sr)        | ND            |
| Soluble Tin (Sn)              | ND            |

**Test Item**

|                     |    |
|---------------------|----|
| Soluble Organic Tin | ND |
| Soluble Zinc (Zn)   | ND |

**Conclusion** **PASS**

| Test Item               | Soluble Organic Tin Result(s)<br>(mg/kg) | MDL(mg/kg) |
|-------------------------|--|------------|
| Methyl tin (MeT)        | ND                                       | 0.5        |
| Di-n-propyl tin (DProT) | ND                                       | 0.5        |
| Butyl tin (BuT)         | ND                                       | 0.5        |
| Tributyl tin (TBT)      | ND                                       | 0.5        |
| n-Octyl tin (MOT)       | ND                                       | 0.5        |
| Terabutyl tin (TeBT)    | ND                                       | 0.5        |
| Diphenyl tin (DPhT)     | ND                                       | 0.5        |
| Di-n-octyl tin (DOT)    | ND                                       | 0.5        |
| Triphenyl tin(TPhT)     | ND                                       | 0.5        |

**SGS**

**Records Contact**

SUNMICROTEK CO., LTD.  
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Email : sales@sm-tf.com

# CPSIA CERTIFICATE

Sunmicrotek and 3rd party(SGS) provide the certification of compliance below;  
In accordance with section 14(g) of the consumer product safety act, 15 U.S.C §2063(g)

## Certificate No.

F690101/LF-CTSAYHA19-08606  
SGS File No. AYHA19-08606

## Product Description

Heat Transfer Vinyl Chameleon

## Issued Date

2019. 07. 26

## Test Part

CPSIA section 101(a)(2) – Lead in accessible substrate materials  
CPSIA section 108 - Phthalates content

## Manufacturer

SUNMICROTEK CO., LTD.  
#1107 Gayang techno town  
217 Heojun-ro, Seoul  
Korea

## Approved 3rd Party Test Laboratory

322, The O valley, 76, LS-ro, Dongan-gu, Anyang-si,  
Gyeonggi-do, Korea 14117  
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SGS

## Certification

| Test Item                           | CAS No.                 | Result(s)   |
|-------------------------------------|-------------------------|-------------|
| Dibutyl Phthalate (DBP)             | 84-74-2                 | ND          |
| Benzylbutyl Phthalate (BBP)         | 85-68-7                 | ND          |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | 117-81-7                | ND          |
| Di-isononyl Phthalate (DINP)        | 28553-12-0 / 68515-48-0 | ND          |
| Di-cyclohexylphthalate (DCHP)       | 84-61-7                 | ND          |
| Di-n-Hexylphthalate (DnHP)          | 84-75-3                 | ND          |
| Diisobutyl phthalate (DIBP)         | 84-69-5                 | ND          |
| Di-n-pentylphthalate (DnPP)         | 131-18-0                | ND          |
| <b>Conclusion</b>                   |                         | <b>PASS</b> |

## Records Contact

SUNMICROTEK CO., LTD.  
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# Test Report

No. F690101/LF-CTSAYHA19-08606

Issued Date : 2019. 07. 26

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**SUNMICROTEK**

1107 Gayang Techno Town, 17  
Heojun-ro, Gangseo-gu, Seoul  
Korea

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

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**SGS File No.** : AYHA19-08606  
**Sample Description** : Chameleon  
**Style no./Item no.** : -  
**Order No.** : -  
**Buyer** : -  
**Manufacturer** : SUNMICROTEK  
**Country of Origin** : KOREA  
**Country of Destination** : -  
**Received Date** : 2019. 07. 19  
**Test Period** : 2019. 07. 19 to 2019. 07. 26  
**Test Requested** : As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-  
     1) Lead in accessible substrate materials  
     2) Phthalates  
**Test Method and Results** : For further details, please refer to following page (s)  
**Result Summary** :

| <u>Item</u> | <u>Test Parameter</u>  | <u>Conclusion</u> |
|-------------|--|-------------------|
| 1           | CPSIA section 101(a)(2) - Lead in accessible substrate materials | PASS              |
| 2           | CPSIA Section 108 - Phthalate content                            | PASS              |

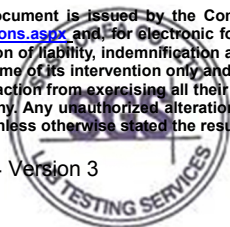
Remark: Test results in this report are applicable for the item tested and reflects the tested sample as received.

SGS Korea Co., Ltd.



Tommy Oh / Chemical Lab Mgr

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# Test Report

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## Results :

### 1) Lead in accessible substrate materials

Test Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3. Analysis was performed by ICP-OES.

| Test Item         | Result(s)   | Permissible Limit |
|-------------------|-------------|-------------------|
|                   | <u>1</u>    |                   |
| Lead (Pb)         | N. D.       | 0.01 %            |
| <b>Conclusion</b> | <b>PASS</b> | --                |

## Sample Description :

1. Chameleon

- Note:
1. % = percentage by weight
  2. 1% = 10000ppm (mg/kg)
  3. N. D. = Not Detected
  4. Method Detection Limit = 0.002 %

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**2) Phthalates**

Test Method: With reference to CPSC-CH-C1001-09.3+. Analysis was performed by GC-MS.

Concentration of phthalates in components of child care articles and toy product

| Test Item(s)                        | CAS No.                 | Unit | Result(s)   | Permissible Limit per component |
|-------------------------------------|-------------------------|------|-------------|---------------------------------|
|                                     |                         |      | 1           |                                 |
| Dibutyl Phthalate (DBP)             | 84-74-2                 | %    | N. D.       | 0.1 %                           |
| Benzylbutyl Phthalate (BBP)         | 85-68-7                 | %    | N. D.       | 0.1 %                           |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | 117-81-7                | %    | N. D.       | 0.1 %                           |
| Di-isononylphthalate (DINP)         | 28553-12-0 / 68515-48-0 | %    | N. D.       | 0.1 %                           |
| Di-cyclohexylphthalate (DCHP)       | 84-61-7                 | %    | N. D.       | 0.1 %                           |
| Di-n-Hexylphthalate (DnHP)          | 84-75-3                 | %    | N. D.       | 0.1 %                           |
| Diisobutyl phthalate (DIBP)         | 84-69-5                 | %    | N. D.       | 0.1 %                           |
| Di-n-pentylphthalate (DnPP)         | 131-18-0                | %    | N. D.       | 0.1 %                           |
| <b>Conclusion</b>                   |                         | --   | <b>PASS</b> | --                              |

Sample Description :

1. Chameleon

- Note:
1. N. D. = Not Detected (lower than Detection Limit)
  2. 1 % = percentage by weight
  3. 1 % = 10000 ppm (mg/kg)
  4. Detection Limit for each phthalate = 0.015 %
  5. + = According to 16 CFR 1307 'Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates'

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**Picture of Sample as Received :**



**AYHA19-08606**

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

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