

# EN71 CERTIFICATE

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

Certificate No.	Product Description	Issued Date
F690101/LF-CTSAYHA21-01249 SGS File No. AYHA21-01249	Heat Transfer Vinyl Light Sensitive PU(SLS)	2021. 02. 03

Test Requested	Conclusion
EN71-3:2013 + A3:2019 - Migration of certain elements (By all conclusive testing)	PASS

**Supplier**  
GREENSTIK MATERIALS LTD  
Unit 9, Lancaster Road, Carnaby  
Industrial Estate,  
Carnaby, Bridlington, East Yorkshire, UK

**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



## 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)	0.55
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**

<b>Test Item</b>	<b>Soluble Organic Tin Result(s) (mg/kg)</b>	<b>MDL(mg/kg)</b>
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

The logo for SGS, consisting of the letters 'SGS' in a bold, sans-serif font, with a horizontal line underneath the letters.**Record Contacts**

GREENSTIK MATERIALS LTD  
Unit 9, Lancaster Road, Carnaby Industrial Estate,  
Carnaby, Bridlington, East Yorkshire, UK  
Zipcode : YO15 3QY  
Tel : +44 1262 602222  
Email: [orders@greenstikmaterials.co.uk](mailto:orders@greenstikmaterials.co.uk)

# 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-CTSAYHA20-12775  
SGS File No. AYHA20-12775

## Product Description

Heat Transfer Vinyl  
LIGHT SENSITIVE PU(SLS)

## Valid Date

2020. 10. 07

## Test Part

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

## 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.  
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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.  
#1107 Gayang techno town  
217 Heojun-ro, Seoul  
Korea  
Tel : +82 2 338 6670  
Email : sales@sm-tf.com

**SUNMICROTEK CO., LTD.**  
 1107 Gayang techno town, 1487 Gayang-dong  
 Gangseo-gu, Seoul  
 Korea

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

<b>SGS File No.</b>	:	AYHA20-12775
<b>Sample Description</b>	:	SLS
<b>Style no./Item no.</b>	:	-
<b>Order No.</b>	:	-
<b>Manufacturer</b>	:	-
<b>Country of Origin</b>	:	-
<b>Country of Destination</b>	:	-
<b>Received Date</b>	:	2020. 09. 25
<b>Test Period</b>	:	2020. 09. 25 to 2020. 10. 07
<b>Test Requested</b>	:	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
<b>Test Method and Results</b>	:	For further details, please refer to following page (s)
<b>Report Comments</b>	:	The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report is not related to Korea Laboratory Accreditation Scheme.
<b>Result Summary</b>	:	

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

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

No. F690101/LF-CTSAYHA20-12775

Issued Date : 2020. 10. 07

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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	MDL	Result(s)	Permissible Limit
		<u>1</u>	
Lead (Pb)	0.002%	N. D.	0.01 %
<b>Conclusion</b>	-	<b>PASS</b>	--

### 2) Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4. Analysis was performed by GC-MS.

#### Concentration of phthalates in components of childcare articles and toy product

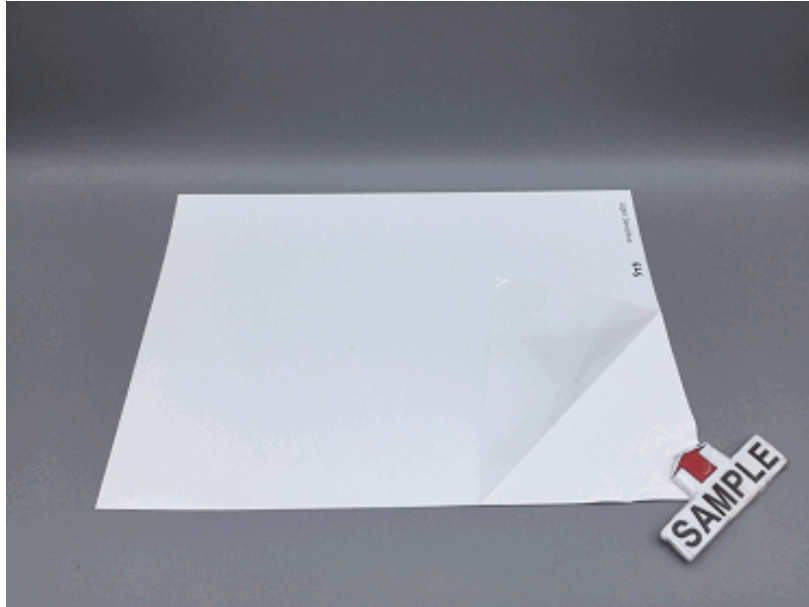
Test Item(s)	CAS No.	Unit	Result(s)	Permissible Limit per component
			<u>1</u>	
Dibutyl Phthalate (DBP)	84-74-2	%	N. D.	0.1 %
Benzylbutyl Phthalate (BBP)	85-68-7	%	N. D.	0.1 %
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	%	N. D.	0.1 %
Di-isononylphthalate (DINP)	28553-12-0 / 68515-48-0	%	N. D.	0.1 %
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. White sheet

- 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 %

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**Picture of Sample as Received :****AYHA20-12775**

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

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