



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TEST REPORT**

**Test Report Number : CTS181219044-CO**

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

**Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China**

**PHONE +86-574-87912121 FAX +86-574-87907993**



## TEST REPORT

REPORT No. : CTS181219044-CO  
DATE : Jan. 03, 2019  
PAGE : 1 of 9

### Table of contents

<b>1</b>	<b>General Information</b>	<b>2</b>
1.1	Application Details	2
1.2	Manufacturer & Buyer	2
1.3	Description of the Test Item	2
<b>2</b>	<b>Test Results</b>	<b>3</b>
2.1	General Information	3
2.1.1	Sample Receiving Date	3
2.1.2	Testing Period	3
2.1.3	Test Requested	3
2.1.4	Test Method	3
2.2	Results	4
2.2.1	Polycyclic Aromatic Hydrocarbon (PAHs) Content	4
2.2.2	Short Chain Chlorinated Paraffins Content	7
<b>3</b>	<b>Sample Reference Photo</b>	<b>8</b>

The measurement results only apply to the submitted samples.  
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

#### **CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service



## TEST REPORT

REPORT No. : CTS181219044-CO  
DATE : Jan. 03, 2019  
PAGE : 2 of 9

### 1 General Information

#### 1.1 Application Details

Name :  
Address :  
  
Contact :  
Telephone :  
Fax :  
Mobile telephone :  
Email :

#### 1.2 Manufacturer & Buyer

Manufacturer name :  
Address : /  
Contact : /  
Telephone : /  
Fax : /  
Mobile telephone : /  
Email : /  
Buyer name : /

#### 1.3 Description of the Test Item

Sample name : 3 in 1 Charging Cable  
Model No. : S1120, S1122, S1072, SK1012  
Brand name : /  
Condition of sample(s) : EFFECTIVE

The measurement results only apply to the submitted samples.  
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

#### **CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service



## TEST REPORT

REPORT No. : CTS181219044-CO  
DATE : Jan. 03, 2019  
PAGE : 3 of 9

## 2 Test Results

### 2.1 General Information

#### 2.1.1 Sample Receiving Date

Dec. 19, 2018

#### 2.1.2 Testing Period

Dec. 19, 2018 to Jan. 03, 2019

#### 2.1.3 Test Requested

Please refer to the following page(s)

#### 2.1.4 Test Method

Please refer to the following page(s)

The measurement results only apply to the submitted samples.  
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

#### **CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service

## TEST REPORT

REPORT No. : CTS181219044-CO  
 DATE : Jan. 03, 2019  
 PAGE : 4 of 9

### 2.2 Results

#### 2.2.1 Polycyclic Aromatic Hydrocarbon (PAHs) Content

Refer to AfPS GS 2014:01 PAK, ultrasonic extraction, followed by analysis using Gas Chromatography - Mass Spectrometry.

**Category 3**

Sample Description	No.1	White plastic with bright silver printing				
	No.2	White plastic with black printing				
Compounds	CAS Number	Result (mg/kg)		Maximum permissible limit (mg/kg)		
		No.1	No.2	Category 1	Category 2	Category 3
(1) Naphthalene (NAP)	91-20-3	N.D.	13.1	<1	<2	<10
(2) Acenaphthylene (ANY)	208-96-8	N.D.	N.D.	<1	<10	<50
(3) Acenaphthene (ANA)	83-32-9	N.D.	N.D.			
(4) Fluorene( FLU)	86-73-7	N.D.	N.D.			
(5) Phenanthrene (PHE)	85-01-8	N.D.	N.D.			
(6) Anthracene (ANT)	120-12-7	N.D.	N.D.			
(7) Fluoranthene (FLT)	206-44-0	N.D.	N.D.			
(8) Pyrene (PYR)	129-00-0	N.D.	N.D.			
(9) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.			
(10) Chrysene (CHR)	218-01-9	N.D.	N.D.	<0.2	<0.5	<1
(11) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	<0.2	<0.5	<1
(12) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	<0.2	<0.5	<1
(13) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	<0.2	<0.5	<1
(14) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	N.D.	<0.2	<0.5	<1
(15) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	<0.2	<0.5	<1
(16) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	N.D.	<0.2	<0.5	<1
(17) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	<0.2	<0.5	<1
(18) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	<0.2	<0.5	<1
Total PAHs	--	N.D.	13.1	<1	<10	<50
Conclusion	--	--	--	Pass	Pass	Pass

Sample Description	No.3	Smeitransparent plastic				
	No.4	Black fiber cable of wire				
Compounds	CAS Number	Result (mg/kg)		Maximum permissible limit (mg/kg)		
		No.3	No.4	Category 1	Category 2	Category 3
(1) Naphthalene (NAP)	91-20-3	N.D.	N.D.	<1	<2	<10

The measurement results only apply to the submitted samples.  
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service

## TEST REPORT

REPORT No. : CTS181219044-CO  
 DATE : Jan. 03, 2019  
 PAGE : 5 of 9

(2) Acenaphthylene (ANY)	208-96-8	N.D.	N.D.	<1	<10	<50
(3) Acenaphthene (ANA)	83-32-9	N.D.	N.D.			
(4) Fluorene( FLU)	86-73-7	N.D.	N.D.			
(5) Phenanthrene (PHE)	85-01-8	N.D.	N.D.			
(6) Anthracene (ANT)	120-12-7	N.D.	N.D.			
(7) Fluoranthene (FLT)	206-44-0	N.D.	N.D.			
(8) Pyrene (PYR)	129-00-0	N.D.	N.D.			
(9) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.			
(10) Chrysene (CHR)	218-01-9	N.D.	N.D.	<0.2	<0.5	<1
(11) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	<0.2	<0.5	<1
(12) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	<0.2	<0.5	<1
(13) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	<0.2	<0.5	<1
(14) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	N.D.	<0.2	<0.5	<1
(15) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	<0.2	<0.5	<1
(16) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	N.D.	<0.2	<0.5	<1
(17) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	<0.2	<0.5	<1
(18) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	<0.2	<0.5	<1
Total PAHs	--	N.D.	N.D.	<1	<10	<50
Conclusion	--	--	--	Pass	Pass	Pass

Sample Description	No.5	White plastic jacket of wire				
	No.6	Black plastic cover of jack				
	CAS Number	Result (mg/kg)		Maximum permissible limit (mg/kg)		
No.5		No.6	Category 1	Category 2	Category 3	
(1) Naphthalene (NAP)	91-20-3	N.D.	N.D.	<1	<2	<10
(2) Acenaphthylene (ANY)	208-96-8	N.D.	N.D.	<1	<10	<50
(3) Acenaphthene (ANA)	83-32-9	N.D.	N.D.			
(4) Fluorene( FLU)	86-73-7	N.D.	N.D.			
(5) Phenanthrene (PHE)	85-01-8	N.D.	N.D.			
(6) Anthracene (ANT)	120-12-7	N.D.	N.D.			
(7) Fluoranthene (FLT)	206-44-0	N.D.	N.D.			
(8) Pyrene (PYR)	129-00-0	N.D.	N.D.			
(9) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.			
(10) Chrysene (CHR)	218-01-9	N.D.	N.D.	<0.2	<0.5	<1
(11) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	<0.2	<0.5	<1
(12) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	<0.2	<0.5	<1
(13) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	<0.2	<0.5	<1
(14) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	N.D.	<0.2	<0.5	<1
(15) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	<0.2	<0.5	<1
(16) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	N.D.	<0.2	<0.5	<1

The measurement results only apply to the submitted samples.  
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

### CTS (Ningbo) Testing Service Technology Co., Ltd.

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service

## TEST REPORT

REPORT No. : CTS181219044-CO  
 DATE : Jan. 03, 2019  
 PAGE : 6 of 9

(17) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	<0.2	<0.5	<1
(18) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	<0.2	<0.5	<1
Total PAHs	--	N.D.	N.D.	<1	<10	<50
Conclusion	--	--	--	Pass	Pass	Pass

Sample Description	No.7	White plastic frame of jack				
	No.8	Black plastic frame of jack				
	Compounds	CAS Number	Result (mg/kg)		Maximum permissible limit (mg/kg)	
No.5			No.6	Category 1	Category 2	Category 3
(1) Naphthalene (NAP)	91-20-3	N.D.	N.D.	<1	<2	<10
(2) Acenaphthylene (ANY)	208-96-8	N.D.	N.D.	<1	<10	<50
(3) Acenaphthene (ANA)	83-32-9	N.D.	N.D.			
(4) Fluorene( FLU)	86-73-7	N.D.	N.D.			
(5) Phenanthrene (PHE)	85-01-8	N.D.	N.D.			
(6) Anthracene (ANT)	120-12-7	N.D.	N.D.			
(7) Fluoranthene (FLT)	206-44-0	N.D.	N.D.			
(8) Pyrene (PYR)	129-00-0	N.D.	N.D.			
(9) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.			
(10) Chrysene (CHR)	218-01-9	N.D.	N.D.	<0.2	<0.5	<1
(11) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	<0.2	<0.5	<1
(12) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	<0.2	<0.5	<1
(13) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	<0.2	<0.5	<1
(14) Indeno(1,2,3-cd) pyrene (IPY)	193-39-5	N.D.	N.D.	<0.2	<0.5	<1
(15) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	<0.2	<0.5	<1
(16) Benzo(g,h,i)perylene(BPE)	191-24-2	N.D.	N.D.	<0.2	<0.5	<1
(17) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	<0.2	<0.5	<1
(18) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	<0.2	<0.5	<1
Total PAHs	--	N.D.	N.D.	<1	<10	<50
Conclusion	--	--	--	Pass	Pass	Pass

- Note : 1. Method detection limit of each of the individual compound is 0.1 mg/kg.  
 2. N.D. = not detected (less than MDL)  
 3. Category 1: Material in contact with foodstuff, or materials intended to be put in the mouth and toys for children aged <36 months  
 Category 2: Materials with foreseeable contact to skin for longer than 30 seconds (long-term skin contact) and toys not covered by category 1  
 Category 3: Materials with foreseeable contact to skin up to 30 seconds (short term skin contact) or without skin contact.  
 4. The tested part of the sample was specified by client.

The measurement results only apply to the submitted samples.  
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

### CTS (Ningbo) Testing Service Technology Co., Ltd.

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Complaint line: +86-574-87908003

E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service

## TEST REPORT

REPORT No. : CTS181219044-CO  
 DATE : Jan. 03, 2019  
 PAGE : 7 of 9

### 2.2.2 Short Chain Chlorinated Paraffins Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry.

	Sample Description	Result (%)	Limit (%)	Conclusion
		Short Chain Chlorinated Paraffins(C10-13)		
No.1	White plastic with bright silver printing	N.D.	0.15	Pass
No.2	White plastic with black printing	N.D.	0.15	Pass
No.3	Smeitransparent plastic	N.D.	0.15	Pass
No.4	Black fiber cable of wire	N.D.	0.15	Pass
No.5	White plastic jacket of wire	N.D.	0.15	Pass
No.6	Black plastic cover of jack	N.D.	0.15	Pass
No.7	White plastic frame of jack	N.D.	0.15	Pass
No.8	Black plastic frame of jack	N.D.	0.15	Pass

- Note :
1. N.D. = not detected (less than MDL)
  2. MDL = Method Detect Limit=0.005%
  3. The limit refers to Regulation (EC) No. 850/2004 and Regulation (EU) 2015/2030.
  4. The tested part of the sample was specified by client.

Written by: *Amanda* Inspected by: *Annie* Approved by: *Ben*

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



The measurement results only apply to the submitted samples.  
 Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

**CTS (Ningbo) Testing Service Technology Co., Ltd.**  
 Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China  
 Tel: +86-574-87912121 (16 lines) Fax: +86-574-87907993  
 Complaint line: +86-574-87908003 E-mail: cts@cts-lab.com

See Reverse For Terms And Conditions of Service

## TEST REPORT

REPORT No. : CTS181219044-CO  
DATE : Jan. 03, 2019  
PAGE : 8 of 9

### 3 Sample Reference Photo



S1072



S1120

The measurement results only apply to the submitted samples.  
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.

## TEST REPORT

REPORT No. : CTS181219044-CO  
DATE : Jan. 03, 2019  
PAGE : 9 of 9



S1122



SK1012

The measurement results only apply to the submitted samples.  
Copyright of this report is owned by Centre of Testing Service and may not be reproduced other than in full except with the written approval of the issuing Company.