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**Technical Report No. 68.161.16.01305.01
Dated 2016-04-22**

Applicant: TRULY INDUSTRIAL(SHANWEI)LTD.

Address: Dongchong road north industrial zone, Shanwei city, Guangdong province, people's republic of china

Attn.: Mr. guangxiang Liu

Sample Description: Calculatrice Graphique

Model No.: SC498(SC180B)

Supplier/Manufacturer: TRULY INDUSTRIAL (SHANWEI) LTD.

Country of Origin: China

Sample Receive Date: 2016-03-31

Test Period: From 2016-03-31 to 2016-04-06

Test Requested and Conclusion: Polycyclic Aromatic Hydrocarbons (PAHs)
Test with reference to AfPS GS 2014:01

Test Results: Refer to following page(s)

Remark: The result relates only to the items tested.

PASS


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1. TESTED SUBJECT DESCRIPTION

SAMPLE NUMBER	TESTED MATERIAL DESCRIPTION	PHOTO
001	Blue plastic (case)	
002	Light gray plastic with black printing (case)	
003	Light gray plastic with orange printing (key)	
004	Light gray plastic with green printing (key)	
005	Light gray plastic with black printing (key)	
006	Dark gray plastic with white printing (key)	
007	White plastic with black printing (key)	
008	Blue plastic with white printing (key)	



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2. TEST RESULT

2.1. POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) CONTENT TEST

Test method: With reference to AfPS GS 2014:01 PAK, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 0.10 mg/kg]

No.	Test Item	Result [mg/kg]			Permissible Limit Category II [mg/kg]
		Sample 001	Sample 002+003	Sample 004+005	
1	Naphthalene	<0.10	0.14	<0.10	< 2.00
2	Acenaphthylene	<0.10	<0.10	<0.10	Sum < 10.00
3	Acenaphthene	<0.10	<0.10	<0.10	
4	Fluorene	<0.10	<0.10	<0.10	
5	Phenanthrene	<0.10	<0.10	<0.10	
6	Anthracene	<0.10	<0.10	<0.10	
7	Fluoranthene	<0.10	<0.10	<0.10	
8	Pyrene	<0.10	<0.10	<0.10	
9	Benzo[a]anthracene	<0.10	<0.10	<0.10	
10	Chrysene	<0.10	<0.10	<0.10	<0.50
11	Benzo[b]fluoranthene	<0.10	<0.10	<0.10	<0.50
12	Benzo[j]fluoranthene	<0.10	<0.10	<0.10	<0.50
13	Benzo[k]fluoranthene	<0.10	<0.10	<0.10	<0.50
14	Benzo[a]pyrene	<0.10	<0.10	<0.10	<0.50
15	Benzo[e]pyrene	<0.10	<0.10	<0.10	<0.50
16	Benzo[g,h,i]perylene	<0.10	<0.10	<0.10	<0.50
17	Dibenzo[a,h]anthracene	<0.10	<0.10	<0.10	<0.50
18	Indeno[1,2,3-c,d]pyrene	<0.10	<0.10	<0.10	<0.50
Sum of Detected 18 PAHs		<0.10	0.14	<0.10	< 10.00
Category according to AfPS GS 2014:01 PAK		Category II	Category II	Category II	
Conclusion		Pass	Pass	Pass	

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than
- Requirement of AfPS GS 2014:01 PAK: Restraining maximum values for products



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(Continued)

No.	Test Item	Result [mg/kg]			Permissible Limit Category II [mg/kg]
		Sample 006	Sample 007	Sample 008	
1	Naphthalene	<0.10	<0.10	<0.10	< 2.00
2	Acenaphthylene	<0.10	<0.10	<0.10	Sum < 10.00
3	Acenaphthene	<0.10	<0.10	<0.10	
4	Fluorene	<0.10	<0.10	<0.10	
5	Phenanthrene	<0.10	<0.10	<0.10	
6	Anthracene	<0.10	<0.10	<0.10	
7	Fluoranthene	<0.10	<0.10	<0.10	
8	Pyrene	<0.10	<0.10	<0.10	
9	Benzo[a]anthracene	<0.10	<0.10	<0.10	
10	Chrysene	<0.10	<0.10	<0.10	<0.50
11	Benzo[b]fluoranthene	<0.10	<0.10	<0.10	<0.50
12	Benzo[j]fluoranthene	<0.10	<0.10	<0.10	<0.50
13	Benzo[k]fluoranthene	<0.10	<0.10	<0.10	<0.50
14	Benzo[a]pyrene	<0.10	<0.10	<0.10	<0.50
15	Benzo[e]pyrene	<0.10	<0.10	<0.10	<0.50
16	Benzo[g,h,i]perylene	<0.10	<0.10	<0.10	<0.50
17	Dibenzo[a,h]anthracene	<0.10	<0.10	<0.10	<0.50
18	Indeno[1,2,3-c,d]pyrene	<0.10	<0.10	<0.10	<0.50
Sum of Detected 18 PAHs		<0.10	<0.10	<0.10	< 10.00
Category according to AfPS GS 2014:01 PAK		Category II	Category II	Category II	
Conclusion		Pass	Pass	Pass	

Note:

- "mg/kg" denotes milligram per kilogram
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Parameter (unit: mg/kg)	Category 1	Category 2		Category 3	
		Materials indented to be put in the mouth, or materials of toys with intended long term skin contact (>30s)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 s (long-term skin contact) or repeated short term skin contact*	Toys acc to directive 2009/48/EC	All other products acc to ProdSG
Benzo[a]pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[e]pyrene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[a]anthracene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[b]fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[j]fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[k]fluoranthene	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo[a,h]anthracene	<0.2	<0.2	<0.5	<0.5	<1
Benzo[ghi]perylene	<0.2	<0.2	<0.5	<0.5	<1
Indeno[1,2,3-cd]pyrene	<0.2	<0.2	<0.5	<0.5	<1
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene,	sum <1	sum <5	sum <10	sum <20	sum <50
Naphthaline	<1	<2		<10	
Sum 18 PAHs	<1	<5	<10	<20	<50

* Definition: short-term repetitive contact with the human skin from "REACH Annex XVII Nr. 50 amendment (COMMISSION REGULATION (EU) No 1272/2013)"

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