



# TEST REPORT

Report No.: ZKS161100230

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Applicant :  
Address :  
  
Manufacturer :  
Address :  
  
Products : activity tracker  
Brand Name :  
Model No. : WB102  
Receiving Date : 2016-11-30  
Testing Period : From 2016-11-30 to 2016-12-13  
Test Requested : As requested by the applicant, test(s) was/were performed as below:

Test Summary		Conclusion
1	Germany AfPS GS 2014:01 PAK on Polycyclic aromatic hydrocarbons (PAHs) content	PASS

Test Result : Refer to the following page(s)  
Remark : -The result related only to the items tested;  
- the test items were specified by client;

**Authorized By:**

For Shenzhen ZRLK Testing Technology Co., Ltd.

*Ailis Ma*

**Ailis Ma**  
**Technical Supervisor**



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## Polycyclic Aromatic Hydrocarbons (PAHs) content

Test method: AfPS GS 2014:01 PAK

Instrument used for analysis: GC-MS

No.	Test Item(s)	Result (mg/kg)			
		(1)	(2)	(3)	(4)
1	Benzo[a]pyrene	ND	ND	ND	ND
2	Benzo(e)pyrene	ND	ND	ND	ND
3	Benzo[a]anthracene	ND	ND	ND	ND
4	Benzo[b]fluoranthene	ND	ND	ND	ND
5	Benzo(j)fluoranthene	ND	ND	ND	ND
6	Benzo[k]fluoranthene	ND	ND	ND	ND
7	Chrysene	ND	ND	ND	ND
8	Dibenzo[a,h]anthracene	ND	ND	ND	ND
9	Benzo[g,h,i]perylene	ND	ND	ND	ND
10	Indeno[1,2,3-cd]pyrene	ND	ND	ND	ND
11	Acenaphthylene	ND	ND	ND	ND
12	Acenaphthene	ND	ND	ND	ND
13	Fluorene	ND	ND	ND	ND
14	Phenanthrene	ND	ND	ND	ND
15	Pyrene	ND	ND	ND	ND
16	Anthracene	ND	ND	ND	ND
17	Fluoranthene	ND	ND	ND	ND
18	Naphthalene	ND	0.6	ND	ND
	Sum of 11 <sup>th</sup> ~17 <sup>th</sup>	ND	ND	ND	ND
	Sum of all PAHs	ND	0.6	ND	ND



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No.	Test Item(s)	Result (mg/kg)	
		(5)	(6)
1	Benzo[a]pyrene	ND	ND
2	Benzo(e)pyrene	ND	ND
3	Benzo[a]anthracene	ND	ND
4	Benzo[b]fluoranthene	ND	ND
5	Benzo(j)fluoranthene	ND	ND
6	Benzo[k]fluoranthene	ND	ND
7	Chrysene	ND	ND
8	Dibenzo[a,h]anthracene	ND	ND
9	Benzo[g,h,i]perylene	ND	ND
10	Indeno[1,2,3-cd]pyrene	ND	ND
11	Acenaphthylene	ND	ND
12	Acenaphthene	ND	ND
13	Fluorene	ND	ND
14	Phenanthrene	ND	ND
15	Pyrene	ND	ND
16	Anthracene	ND	ND
17	Fluoranthene	ND	ND
18	Naphthalene	ND	0.6
	Sum of 11 <sup>th</sup> ~17 <sup>th</sup>	ND	ND
	Sum of all PAHs	ND	0.6

Remark:

1. mg/kg = milligram per kilogram = ppm
  2. Method Detection Limit (MDL) = 0.2 mg/kg for each PAHs
- ND = not detected



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## Tested part description:

No.	Description	Category
1	Black plastic base	3-(II)
2	Black soft Plastic tape	3-(II)
3	Black Plastic enclosure	3-(II)
4	PVC of USB lead wire	3-(II)
5	Black plastic of USB lead wire	3-(II)
6	Silvery plating	3-(II)

**Requirement:** Limits for PAH content for material of (grip) surfaces, which are to be categorized on account of the results of the risk assessment.



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Parameter	Category 1	Category 2		Category 3	
	Materials indented to be put in the mouth, or materials of toys with intended long-term skin contact (longer than 30 s)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-term skin contact) or repeated short-term skin contact		Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short term skin contact)	
		(I) Toys in the scope of 2009/48/EC	(II) Other products in the scope of ProdSG	(I) Toys in the scope of 2009/48/EC	(II) Other products in the scope of ProdSG
BENZO(a) PYRENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(e)PYRENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(a)ANTHRACENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(b)FLUORANTHENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(j)FLUORANTHENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(k)FLUORANTHENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
CHRYSENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
DIBENZO(a,h)ANTHRACENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
BENZO(g,h,i)PERYLENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
INDENO(1,2,3-cd) PYRENE mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
ACENAPHTHYLENE, ACENAPHTHENE, FLUORENE, PHENANTHRENE, PYRENE, ANTHRACENE, FLUORANTHENE mg/kg	< 1 sum	< 5 sum	< 10 sum	< 20 sum	< 50 sum
NAPHTHALENE mg/kg	< 1	< 2		<10	
Sum 18 PAH mg/kg	< 1	< 5	< 10	< 20	< 50

**Tested samples photos:**

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