

# TEST REPORT

Report No. AL2105269001EN

Approved Date: May. 14, 2021  
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**Client** XINDAO B.V.  
**Address** P.O. BOX 3082, 2280 GB, RIJSWIJK, THE NETHERLANDS

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

**Sample Name** Universal phone sport armband  
**Item No.** P320.195

## SUMMARY

**Date Received** May. 12, 2021  
**Test Period** May. 12, 2021 to May. 14, 2021

### Test Request

### Conclusion

#### 1. Regulation(EC) No. 1907/2006 (REACH regulation), Annex XVII

--Entry 51&52:Phthalates PASS  
--Entry 50: Polycyclic-aromatic hydrocarbons (PAH) PASS

#### 2. AfPS GS 2019:01 PAK

--Polycyclic Aromatic Hydrocarbons content PASS

**For more information about the test, please refer to the following pages.**

Compiled  
By

He hai ying

Checked  
By

Zhu Zhengfeng

Approved  
by



Jiang He

Signed for and on behalf of

Shanghai Lelangtek Testing Technology Co., Ltd.(2<sup>nd</sup> Floor, Building 4, No.158, Jinfeng Road, Pudong District, Shanghai)

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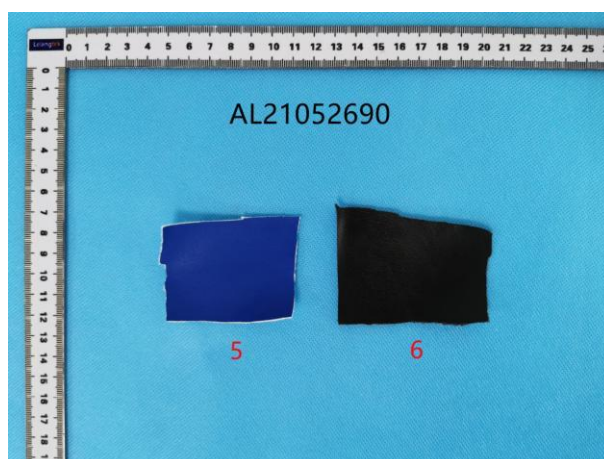
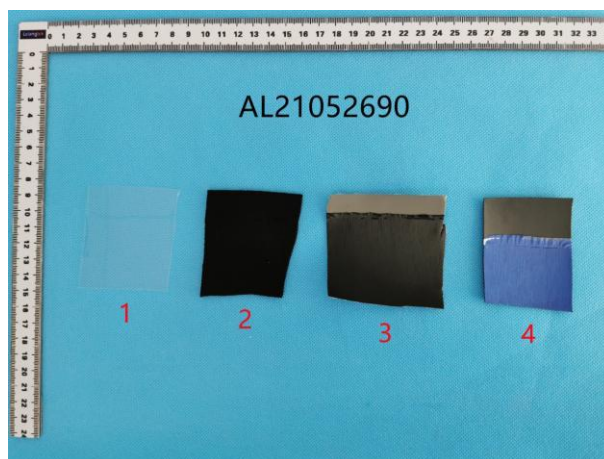
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**Sample photo(s)**

Lelangtek authenticated the photo on original report only

**Test sample/component description**

- 1 Transparent plastic
- 2 Black fabric
- 3 Black leather
- 4 Blue leather
- 5 Dark blue leather
- 6 Dark black leather

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## TEST RESULT

### 1. Regulation(EC) No. 1907/2006 (REACH regulation), Annex XVII

#### 1.1 Entry 51&52: Phthalates

Test method: With reference to EN 14372: 2004

Instrument: GC-MS

Test Item	CAS No.	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
		1	2	3		
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	50	Toys and childcare articles/Articles, DEHP,DBP,BBP, DIBP≤ 1000 (individual or sum)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	50	
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	50	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	50	
Di-'isononyl' phthalate (DINP)	28553-12-0; 68515-48-0	ND	ND	ND	50	Toys and childcare articles which can be placed in the mouth by children, DINP,DIDP,DNOP ≤ 1000(sum)
Di-'isodecyl' phthalate (DIDP)	26761-40-0; 68515-49-1	ND	ND	ND	50	
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	50	

Test Item	CAS No.	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
		4	5	6		
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	125	50	Toys and childcare articles/Articles, DEHP,DBP,BBP, DIBP≤ 1000 (individual or sum)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	50	
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	50	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	50	
Di-'isononyl' phthalate (DINP)	28553-12-0; 68515-48-0	ND	ND	ND	50	Toys and childcare articles which can be placed in the mouth by children, DINP,DIDP,DNOP ≤ 1000(sum)
Di-'isodecyl' phthalate (DIDP)	26761-40-0; 68515-49-1	ND	ND	ND	50	
Di-n-octyl phthalate (DNOP)	117-84-0	ND	ND	ND	50	

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## 1.2 Entry 50: Polycyclic-aromatic hydrocarbons (PAH) content

Test method: With reference to AfPS GS 2019:01 PAK

Instrument: GC-MS

Test Item	CAS No.	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
		3	4	5	6		
Benzo[a]pyrene (BaP)	50-32-8	ND	ND	ND	ND	0.2	See note (1)
Benzo[e]pyrene (BeP)	192-97-2	ND	ND	ND	ND	0.2	
Benzo[a]anthracene (BaA)	56-55-3	ND	ND	ND	ND	0.2	
Chrysen (CHR)	218-01-9	ND	ND	ND	ND	0.2	
Benzo[b]fluoranthene (BbFA)	205-99-2	ND	ND	ND	ND	0.2	
Benzo[j]fluoranthene (BjFA)	205-82-3	ND	ND	ND	ND	0.2	
Benzo[k]fluoranthene (BkFA)	207-08-9	ND	ND	ND	ND	0.2	
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	ND	ND	ND	ND	0.2	

Note:

(1) Regulation(EC)No. 1907/2006,Annex XVII Limit requirement about Polycyclic-aromatic hydrocarbons (PAH) content:

1) **Category 1:** From 1 January 2010, extender oils shall not be placed on the market, or used for the production of tyres or parts of tyres if they contain:

- more than 1mg/kg (0,0001% by weight) BaP, or,
- more than 10mg/kg (0,001% by weight) of the sum of all listed PAHs.

2) **Category 2:** Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0.0001 % by weight of this component) of any of the listed PAHs. such articles include amongs others:

- sport equipment such as bicycles, golf clubs, racquets.
- household utensils, trolleys, walking frames
- tools for domestic use
- clothing, footwear, gloves and sportswear
- watch-straps, wrist-bands, masks, head-bands

3) **Category 3:** Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of

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their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.

Polycyclic-aromatic hydrocarbons (PAH) content requirement in Regulation(EC)No. 1907/2006,Annex XVII (Unit:mg/kg)			
Test Item	Category 1	Category 2	Category 3
Benzo[a]pyrene (BaP)	BaP≤1mg/kg ,or sum of all listed PAHs≤10mg/kg.	≤1	≤0.5
Benzo[e]pyrene (BeP)		≤1	≤0.5
Benzo[a]anthracene (BaA)		≤1	≤0.5
Chrysen (CHR)		≤1	≤0.5
Benzo[b]fluoranthene (BbFA)		≤1	≤0.5
Benzo[j]fluoranthene (BjFA)		≤1	≤0.5
Benzo[k]fluoranthene (BkFA)		≤1	≤0.5
Dibenzo[a,h]anthracene (DBAhA)		≤1	≤0.5

(2) mg/kg=ppm=parts per million, 0.1%=1000 mg/kg

(3) MDL=Method Detection Limit

(4) ND=Not detected, the test results are below the method detection limit(MDL).

## 2. Polycyclic Aromatic Hydrocarbons content

Test method: With reference to AfPS GS 2019:01 PAK

Instrument: Gas Chromatography-Mass Spectrometer(GC-MS)

No.	Abbr. Name	CAS No.	Result (mg/kg)				MDL (mg/kg)
			3	4	5	6	
(1)	Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	0.2
(2)	Benzo(e)pyrene	192-97-2	ND	ND	ND	ND	0.2
(3)	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	0.2
(4)	Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	0.2
(5)	Benzo(j)fluoranthene	205-82-3	ND	ND	ND	ND	0.2
(6)	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	0.2
(7)	Chrysene	218-01-9	ND	ND	ND	ND	0.2
(8)	Dibenzo(a,h)anthracene	53-70-3	ND	ND	ND	ND	0.2

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No.	Abbr. Name	CAS No.	Result (mg/kg)				MDL (mg/kg)
			3	4	5	6	
(9)	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	0.2
(10)	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	0.2
(11)	Phenanthrene	85-01-8	ND	ND	ND	ND	0.2
(12)	Pyrene	129-00-0	ND	ND	ND	ND	0.2
(13)	Anthracene	120-12-7	ND	ND	ND	ND	0.2
(14)	Fluoranthene	206-44-0	ND	ND	ND	ND	0.2
(15)	Naphthalene	91-20-3	ND	ND	ND	ND	0.2
--	Sum of 15 PAHs	--	ND	ND	ND	ND	--

Note:

- 1) mg/kg = ppm=parts per million
- 2) ND=Not detected, the test result(s) is/are below the method detection limit(MDL).
- 3) Maximum PAH levels to be complied with for the materials in relevant contact/grip and operating surfaces that are to be categorised based on the results of the risk assessment.

Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth,or materials in toys according to Directive 2009/48/EC or materials in articles for the use by children up to 3 years of age coming into long-term contact with skin (more than 30s) during the intended use <sup>a</sup>	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact <sup>b</sup> with skin during the intended or foreseeable use		Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		a. use by children <sup>c,d</sup>	b. other consumer products	a. use by children	b. other consumer products
Unit:mg/kg					
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

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Parameter	Category 1	Category 2		Category 3	
	Materials intended to be placed in the mouth, or materials in toys according to Directive 2009/48/EC or materials in articles for the use by children up to 3 years of age coming into long-term contact with skin (more than 30s) during the intended use <sup>a</sup>	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact <sup>b</sup> with skin during the intended or foreseeable use		Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		a. use by children <sup>c,d</sup>	b. other consumer products	a. use by children	b. other consumer products
Unit:mg/kg					
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
Dibenzeno(a,h)anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)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
Phenanthrene, Pyrene, Anthracene, Fluoranthene	<1 sum	<5 sum	<10 sum	<20 sum	<50 sum
Naphthalene	< 1	< 2		< 10	
Sum 15 PAH	< 1	< 5	< 10	< 20	< 50

<sup>a</sup> According to the definition of the Product Safety Act (ProdSG) (Chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

<sup>b</sup> Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation (EC) No. 1272/2013)

<sup>c</sup> A "child" is legally defined as a person before reaching the age of 14 years.

<sup>d</sup> Use by children includes both active and passive direct contact by children.

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

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- (3) The results shown in this report refer only to the lab received sample(s) .
- (4) If you have any question or concern to this report, please contact us within 10 days, or it will not be accepted out of the time.

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