Test Report

Applicant   ZHONGSHAN FUZHOU ADHESIVE-PRODUCT CO.,LTD
Address   TORCH HIGH-TECH DEVELOPMENT ZONE,ZHONGSHAN
CITY,GUANGDONGPROVINCE CHINA

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

Sample Name	书写纸/Woodfree paper
Client Reference Information	PL/PL(FSC)/PL-A/PL-B/PL-50g/PL-70g/PL-80g/PL-100g/PL-120g/ PL-140g/PL-160g/PL-180g/PL-210g/45gC1/50gC1/50gC/40gC1
Sample Received Date	Jan. 19, 2017
Testing Period	Jan. 19, 2017 to Jan. 24, 2017

Test Requested   As specified by client, to test Polycyclic Aromatic Hydrocarbons(PAHs) in the submitted sample(s).

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Polycyclic Aromatic Hydrocarbons(PAHs)	AfPS GS 2014:01 PAK	GC-MS

Test Result(s)   Please refer to the following page(s).

Conclusion

Tested Item	Standard	Result
Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2014:01 PAK, Category 3	Pass

Tested by   *Guangneng Yang*

Approved by   *Qinghong Wan*

Qinghong Wan
Technical Manager

Reviewed by   *Wenjun Wang*

Date   Jan. 26, 2017

No. R131026993

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Limits for PAHs content (mg/kg) for material of (grip) surfaces, which are to be categorized on account of the results of the risk analysis.

Parameters	Category 1	Category 2		Category 3	
	Materials intended to be put in the mouth or materials of toys with foreseeable long-term skin contact (longer than 30 seconds)	Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long-termskin contact) or repeated short-term skin contact #		Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short termskin contact)	
		Toys covered by Directive 2009/48/EC	Other products	Toys covered by Directive 2009/48/EC	Other products
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
Dibenz[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
Indenol[1,2,3-cd]pyrene	<0.2	<0.2	<0.5	<0.5	<1
Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene Pyrene	<1 Sum	<5 Sum	<10 Sum	<20 Sum	<50 Sum
Naphthalene	<1	<2		<10	
Sum 18 PAHs	<1	<5	<10	<20	<50

Formulation "of repeated short-term skin contact" REACH Annex XVII No. 50 supplement (REGULATION (EU) No.1272/2013)

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Test Result(s)

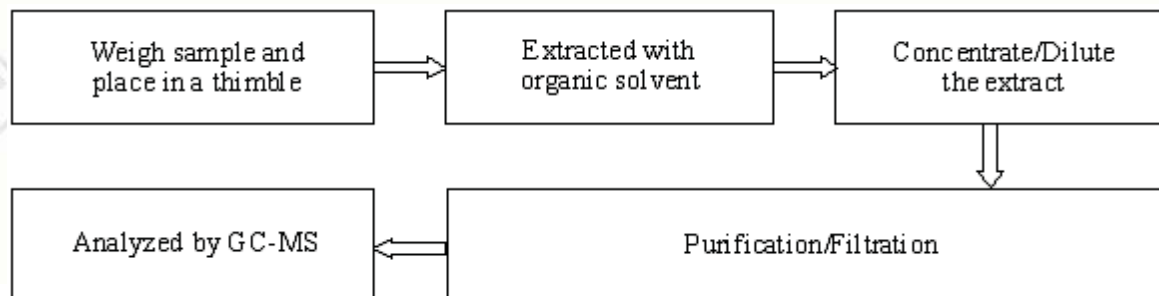| Tested Item(s)	Result	MDL
Polycyclic Aromatic Hydrocarbons (PAHs)		
Naphthalene	N.D.	0.2 mg/kg
Acenaphthylene	N.D.	0.2 mg/kg
Acenaphthene	N.D.	0.2 mg/kg
Fluorene	N.D.	0.2 mg/kg
Phenanthrene	N.D.	0.2 mg/kg
Anthracene	N.D.	0.2 mg/kg
Fluoranthene	N.D.	0.2 mg/kg
Pyrene	N.D.	0.2 mg/kg
Benzo[a]anthracene	N.D.	0.2 mg/kg
Chrysene	N.D.	0.2 mg/kg
Benzo[b]fluoranthene	N.D.	0.2 mg/kg
Benzo[k]fluoranthene	N.D.	0.2 mg/kg
Benzo[a]pyrene	N.D.	0.2 mg/kg
Indeno[1,2,3-cd]pyrene	N.D.	0.2 mg/kg
Dibenzo[a,h]anthracene	N.D.	0.2 mg/kg
Benzo[g,h,i]perylene	N.D.	0.2 mg/kg
Benzo[j]fluoranthene	N.D.	0.2 mg/kg
Benzo[e]pyrene	N.D.	0.2 mg/kg
Sum (Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene)	N.D.	/
Sum 18 PAHs	N.D.	/

Tested Sample/Part Description   White paper

Remark: -MDL = Method Detection Limit
            -N.D. = Not Detected (<MDL)
            -mg/kg = ppm = parts per million

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Test Process

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┌─────────────────────┐      ┌─────────────────────┐      ┌─────────────────────┐
│  Weigh sample and   │ ──▶  │   Extracted with    │ ──▶  │ Concentrate/Dilute  │
│  place in a thimble │      │   organic solvent   │      │     the extract     │
└─────────────────────┘      └─────────────────────┘      └─────────────────────┘
                                                                     │
                                                                     ▼
┌─────────────────────┐      ┌──────────────────────────────────────────────────┐
│  Analyzed by GC-MS  │ ◀──  │              Purification/Filtration              │
└─────────────────────┘      └──────────────────────────────────────────────────┘
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Photo(s) of the sample(s)

*** End of report ***

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