

# TEST REPORT

**APPLICANT** : Xindao B.V.  
**ADDRESS** : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands  
**SAMPLE DESCRIPTION** : 900D laptop backpack PVC free  
**ITEM NO.** : P762.41  
**COUNTRY OF ORIGIN** : China  
**COUNTRY OF DESTINATION** : Europe  
**SAMPLE RECEIVED DATE** : 30-Oct-2018  
**TURN AROUND TIME** : 30-Oct-2018 to 07-Nov-2018

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Polycyclic Aromatic Hydrocarbons (PAHs)	German GS Specification document: AfPS GS 2014:01 PAK (PAK=PAHs)	Pass
SCCP Content	Regulation (EC) No 850/2004 (Persistent Organic Pollutants, POPs) and its amendment Regulation (EU) 2015/2030	Pass
Phthalates Content (14P)	EPA 3550C:2007, EPA 8270D:2014	Pass
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass

### Eurofins (Shanghai) contact information

Customer service: [ElsieWu@eurofins.com](mailto:ElsieWu@eurofins.com) / +86 21 36202808

Sales specialist: [WandyShen@eurofins.com](mailto:WandyShen@eurofins.com) / +86 18616155723

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd



Leo Liu  
Assistant Chemical Lab Manager

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**SAMPLE PHOTO**



**EFSH18101949-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component	Quote From
1	Black coating on metal (zipper)	/
2	Black fabric with transparent coating (body)	/
3	Black plastic adjustable buckle	EFSH18101953-CG-01
4	Black fabric (body)	/
5	Black fabric (back)	/
6	Black fabric tape	EFSH18101953-CG-01
7	Black mesh fabric (handle)	EFSH18101953-CG-01
8	Dark grey fabric (lining)	/
9	Black mesh fabric (pocket)	/

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: 18 Polycyclic Aromatic Hydrocarbons in polymers (PAHs) according to German GS Specification document: AfPS GS 2014:01 PAK (PAK=PAHs)  
 Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2014:01 PAK (PAK=PAHs) requirement  
 Requirement: AfPS GS 2014:01 PAK (PAK=PAHs) requirement: Limits for PAHs in Toys under Directive 2009/48/EC and Other products under ProdSG, see table 1 on next page(s):

Parameter	CAS No.	Unit	Result	
			2	3
Benzo(a)pyrene	50-32-8	mg/kg	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND	ND
Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene	-	mg/kg	ND	ND
Naphthalene	91-20-3	mg/kg	ND	ND
Sum 18 PAHs	-	mg/kg	ND	ND
Conclusion:	For Category 2 (Other products under ProdSG)		Pass	Pass

**Remark:**

mg/kg = milligram per kilogram

ND = not detected, less than 0.2 mg/kg

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

**Table 1**

AfPS GS 2014:01 PAK (PAK=PAHs) requirement: Limits for PAHs in Toys under Directive 2009/48/EC and Other products under ProdSG.

Parameter	Unit	Category 1 Materials intended to be put in the mouth, or materials of toys intended long term skin contact (longer than 30s)	Category 2 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		Category 3 Materials not covered by category 1 or 2 with foreseeable skin contact up to 30 seconds (short term skin contact)	
		-	Toys under Directive 2009/48/EC	Other products under ProdSG	Toys under Directive 2009/48/EC	Other products under 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(ghi)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
Acenaphthene, Acenaphthylene, 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 PAHs	mg/kg	<1	<5	<10	<20	<50

\* = Only those PAH components are taken into account, which have been specified in the material over the 0.2 mg/kg.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### SCCP Content

Test Request: SCCP content as specified in Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I and its amendment Regulation (EU) 2015/2030.

Test Method: EPA 3550C:2007, EPA 8270D:2014, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result	
					2	3
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	%	0.15	0.005	ND	ND

### **Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

The production, placing on the market and use of substances or preparations containing SCCPs in concentrations lower than 1 % by weight or articles containing SCCPs in concentrations lower than 0.15 % by weight shall be allowed.

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content (14P)

Test Request: Phthalates content according to client's request

Test Method: EPA 3550C:2007, EPA 8270D:2014, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result	
					2	3
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND
Di-2-ethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	0.1	0.005	ND	ND
Di-iso-decylphthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND
Diisononylphthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND
1,2-Benzenedicarboxylic Acid, di - C6 - 8 - branched alkyl esters, C7 - ich (DIHP)	71888-89-6	%	0.1	0.005	ND	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.1	0.005	ND	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	%	0.1	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.1	0.005	ND	ND
Di-n-pentyl phthalate (DNPP)	131-18-0	%	0.1	0.005	ND	ND
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DIHP)	68515-50-4	%	0.1	0.005	ND	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	%	0.1	0.005	ND	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5, 68648-93-1	%	0.1	0.005	ND	ND
Diisopentylphthalate (DIPP)	605-50-5	%	0.1	0.005	ND	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)	84777-06-0	%	0.1	0.005	ND	ND
N-pentyl - isopentylphthalate (PIPP)	776297-69-9	%	0.1	0.005	ND	ND

**Remark:**

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996  
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result
				1
Total Lead(Pb)	%	0.05	0.001	ND

### Remark:

MDL = method detection limit

ND = Not detected, less than MDL

As per client's request, only the appointed materials have been tested.

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: BS EN ISO 14362-1:2017  
5-60 mg/kg quantitative, >60 mg/kg semi quantitative.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result		
					2	4	5
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND	ND
4,4'-Benzidine	92-87-5	mg/kg	30	5	ND	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND	ND	ND
5-Nitro-o-toluidine (Note 2)	99-55-8	mg/kg	30	5	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	30	5	ND	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	30	5	ND	ND	ND
3,3'-Dimethyl-4,4'- diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND	ND	ND
2,4-Diaminotoluene	95-80-7	mg/kg	30	5	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND	ND
4-Amino-azobenzene (Note 3)	60-09-3	mg/kg	30	5	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: BS EN ISO 14362-1:2017  
5-60 mg/kg quantitative, >60 mg/kg semi quantitative.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result		
					6	7	8
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND	ND
4,4'-Benzidine	92-87-5	mg/kg	30	5	ND	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND	ND	ND
5-Nitro-o-toluidine (Note 2)	99-55-8	mg/kg	30	5	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	30	5	ND	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	30	5	ND	ND	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND	ND	ND
2,4-Diaminotoluene	95-80-7	mg/kg	30	5	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND	ND
4-Amino-azobenzene (Note 3)	60-09-3	mg/kg	30	5	ND	ND	ND

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: BS EN ISO 14362-1:2017, BS EN ISO 14362-3:2017  
5-60 mg/kg quantitative, >60 mg/kg semi quantitative.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					9
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND
4,4'-Benzidine	92-87-5	mg/kg	30	5	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND
5-Nitro-o-toluidine (Note 2)	99-55-8	mg/kg	30	5	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND
4-Methoxy-1,3-phenylenediamine	615-05-4	mg/kg	30	5	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND
3,3'-Dimethylbenzidine	119-93-7	mg/kg	30	5	ND
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND
4,4'-Methylene bis(o-chloroaniline)	101-14-4	mg/kg	30	5	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND
2,4-Diaminotoluene	95-80-7	mg/kg	30	5	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND
4-Amino-azobenzene (Note 3)	60-09-3	mg/kg	30	5	ND

### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Note 1: o-Aminoazotoluene(CAS No.:97-56-3) is reduced to o-Toluidine(CAS No.:95-53-4) and quantified by this.

Note 2: 5-Nitro-o-toluidine(CAS No.:99-55-8) is reduced to 4-Methyl-m-phenylene Diamine (CAS No.:95-80-7) and quantified by this.

Note 3: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine. Need further confirmation when aniline and 1,4-phenylenediamine are detected.

As per client's request, only the appointed materials have been tested.

\*\*\*END OF THE REPORT\*\*\*