

TEST REPORT

APPLICANT : Xindao B.V.

ADDRESS : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

SAMPLE DESCRIPTION : Deluxe microbead travel travel pillow

ITEM NO. : P820.16

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 27-Aug-2018

FURTHER INFORMATION DATE : 04-Sep-2018

SAMPLE RESUBMISSION DATE : 24-Oct-2018

TURN AROUND TIME : 27-Aug-2018 to 26-Oct-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 |
| Banned AZO Dyes | REACH Annex XVII, Entry 43 | Pass |
| Polycyclic Aromatic Hydrocarbons (PAHs) | REACH Annex XVII, Entry 50 | Pass |
| Formaldehyde Content | EN ISO 14184-1-2011 | Pass |
| Phthalates Content | REACH Annex XVII, Entry 51 & 52 | Pass |
| SCCP Content | Regulation (EC) No 850/2004 (Persistent Organic Pollutants, POPs) and its amendment Regulation (EU) 2015/2030 | Pass |

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@eurofins.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to china.complaint@eurofins.com and referring to this report number.

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***** 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

SAMPLE PHOTOS



EFSH18082164-CG-02

TO BE CONTINUED

COMPONENT LIST

| Component No. | Component |
|----------------------|----------------------------|
| 1 | Black plastic zipper teeth |
| 2 | Black plastic cord lock |
| 3 | Black mesh fabric (body) |
| 4 | Grey fabric (body) |
| 5 | Black fabric lining |
| 6 | Black plastic(button) |

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 |
|---|---|-------|--------|
| | | | 1+2 |
| Benzo(a)pyrene | 50-32-8 | mg/kg | ND |
| Benzo(e)pyrene | 192-97-2 | mg/kg | ND |
| Benzo(a)anthracene | 56-55-3 | mg/kg | ND |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | ND |
| Benzo(j)fluoranthene | 205-82-3 | mg/kg | ND |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | ND |
| Chrysene | 218-01-9 | mg/kg | ND |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | ND |
| Benzo(ghi)perylene | 191-24-2 | mg/kg | ND |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | mg/kg | ND |
| Sum of Acenaphthene, Acenaphthylene, Fluorene, Phenanthrene, Pyrene, Anthracene, Fluoranthene | - | mg/kg | 1.77 |
| Naphthalene | 91-20-3 | mg/kg | ND |
| Sum 18 PAHs | - | mg/kg | 1.77 |
| Conclusion: | For Category 2 (Other products under ProdSG) | | 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.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

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 indented 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

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 |
|---|----------|-------|-------|-----|--------|
| | | | | | 3+4+5 |
| 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-Tolidine | 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.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in Regulation (EU) 2015/326 amending entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006.

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.

| Tested Item(s) | CAS No. | Unit | Limit | MDL | Result |
|--|----------|-------|-------|-----|--------|
| | | | | | 1+2 |
| For rubber or plastic will direct contact with skin and mouth. | | | | | |
| Benzo(a)anthracene | 56-55-3 | mg/kg | 1 | 0.2 | ND |
| Chrysene | 218-01-9 | mg/kg | 1 | 0.2 | ND |
| Benzo(b)fluoranthene | 205-99-2 | mg/kg | 1 | 0.2 | ND |
| Benzo(j)fluoranthene | 205-82-3 | mg/kg | 1 | 0.2 | ND |
| Benzo(k)fluoranthene | 207-08-9 | mg/kg | 1 | 0.2 | ND |
| Benzo(a)pyrene | 50-32-8 | mg/kg | 1 | 0.2 | ND |
| Dibenzo(a,h)anthracene | 53-70-3 | mg/kg | 1 | 0.2 | ND |
| Benzo(e)pyrene | 192-97-2 | mg/kg | 1 | 0.2 | ND |

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

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

TO BE CONTINUED

TEST RESULT

Formaldehyde Content

Test Method: EN ISO 14184-1:2011, free and hydrolized formaldehyde (water extraction method).

Limit: According to client's requirement.

| Tested Item(s) | CAS No. | Unit | Limit | MDL | Result |
|----------------|---------|-------|-------|-----|--------|
| | | | | | 3+4+5 |
| Formaldehyde | 50-00-0 | mg/kg | 75 | 16 | ND |

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

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

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates Content as specified in Regulation (EU) 2015/326 amending entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006.

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

| Tested Item(s) | CAS No. | Unit | Limit | MDL | Result |
|------------------------------|------------|------|-------|-------|--------|
| | | | | | 6 |
| Dibutylphthalate (DBP) | 84-74-2 | % | - | 0.005 | ND |
| Benzylbutylphthalate (BBP) | 85-68-7 | % | - | 0.005 | ND |
| Diethylhexylphthalate (DEHP) | 117-81-7 | % | - | 0.005 | ND |
| Sum (DBP + BBP + DEHP) | - | % | 0.1 | - | ND |
| Di-n-octylphthalate (DNOP) | 117-84-0 | % | - | 0.005 | ND |
| Diisononylphthalate (DINP) | 28553-12-0 | % | - | 0.005 | ND |
| Diisodecylphthalate (DIDP) | 26761-40-0 | % | - | 0.005 | ND |
| Sum (DNOP + DINP + DIDP) | - | % | 0.1 | - | ND |

Remark:

MDL = method detection limitND = Not detected, less than MDL

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

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 |
|---|------------|------|-------|-------|--------|
| | | | | | 6 |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 85535-84-8 | % | 0.15 | 0.005 | 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.

END OF THE REPORT