

TEST REPORT

Report No.: HA0123NB062715CH

Date: June 27, 2023

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Applicant : Saixuan (Guangzhou) Trading Co., LTD
Address : Room 601, Block 2, No. 1, Shadu Road, Fuyong Village, Shawan Town, Panyu District, Guangzhou
Manufacturer : Yiwu Xuqiang Feather Products Co., LTD
Address : 2nd Floor, No. 17, Caohutang Industrial Zone, Ersanli Street, Yiwu City, Jinhua City, Zhejiang Province

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : Feather Fan
Model No. : /
Date of Sample Received : June 19, 2023
Sample Testing Date : June 19, 2023 to June 27, 2023

Test Requested	In accordance with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.
Test Method	<ul style="list-style-type: none">- With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy.- With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES.- With reference to IEC 62321-5:2013, determination of Lead, Cadmium by ICP-OES.- With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.- With reference to IEC 62321-7-2:2017 & IEC 62321-7-1:2015, determination of Hexavalent Chromium by spot test/Colorimetric using UV-Vis.- With reference to IEC 62321-8:2017, determination of Diisobutyl phthalate(DIBP), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP) and Bis(2-ethylhexyl) phthalate (DEHP) by GC-MS.
Test Result	Please refer to next pages.
Test Conclusion	Based on the performed tests on the submitted samples, the results comply with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.

***** For Further Details, Please Refer to the Following Page(s) *****

Compiled by:

Lucy Qiu

Lucy Qiu / Project Engineer



Approved by:

Xie Xie / Laboratory Supervisor

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Test Results:

1. Lead (Pb) Cadmium (Cd) Hydrargyrum (Hg) Hexavalent chromium (Cr6+) content

Test Items	Unit	Test Method	Results			MDL	Limit
			No.1	No.2	No.3		
Lead (Pb)	mg/kg	IEC 62321-5:2013	N.D.	N.D.	N.D.	2	1000
Cadmium (Cd)	mg/kg	IEC 62321-5:2013	N.D.	N.D.	N.D.	2	100
Hydrargyrum (Hg)	mg/kg	IEC 62321-4:2013+A1:2017	N.D.	N.D.	N.D.	2	1000
Hexavalent chromium (Cr6+)	mg/kg	IEC 62321-7-2:2017 & IEC 62321-7-1:2015	N.D.	N.D.	N.D.	2	1000
Conclusion	---	---	Pass	Pass	Pass	---	---

Test Items	Unit	Test Method	Results			MDL	Limit
			No.4	No.5	No.6		
Lead (Pb)	mg/kg	IEC 62321-5:2013	N.D.	N.D.	N.D.	2	1000
Cadmium (Cd)	mg/kg	IEC 62321-5:2013	N.D.	N.D.	N.D.	2	100
Hydrargyrum (Hg)	mg/kg	IEC 62321-4:2013+A1:2017	N.D.	N.D.	N.D.	2	1000
Hexavalent chromium (Cr6+)	mg/kg	IEC 62321-7-2:2017 & IEC 62321-7-1:2015	N.D.	N.D.	N.D.	2	1000
Conclusion	---	---	Pass	Pass	Pass	---	---

Note:

- (1) mg/kg=ppm=0.0001%;
- (2) N.D. =Not Detected (<MDL);
- (3) MDL=Method Detection Limit.

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2. PBBs and PBDEs content

Test Items	Unit	Test Method	Results		MDL	Limit
			No.1	No.2		
Sum of PBBs	mg/kg	---	N.D.	N.D.	---	---
Monobromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Dibromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tribromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Octabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Decabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Sum of PBDEs	mg/kg	---	N.D.	N.D.	---	---
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Conclusion	---	---	Pass	Pass	---	---

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Test Items	Unit	Test Method	Results		MDL	Limit
			No.3	No.4		
Sum of PBBs	mg/kg	---	N.D.	N.D.	---	---
Monobromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Dibromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tribromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Octabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Decabromobiphenyl	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Sum of PBDEs	mg/kg	---	N.D.	N.D.	---	---
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015	N.D.	N.D.	5	1000
Conclusion	---	---	Pass	Pass	---	---

Note:

- (1) mg/kg=ppm=0.0001%;
- (2) N.D. =Not Detected (<MDL);
- (3) MDL=Method Detection Limit.

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3. Phthalates content

Test Items	Unit	Test Method	Results		MDL	Limit
			No.1	No.2		
Di-isobutyl phthalate (DIBP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Dibutyl phthalate (DBP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Benzyl butyl phthalate (BBP)	mg/kg	IEC 62321-8:2017	N.D.	30	30	1000
Bis-(2-ethylhexyl)- phthalate (DEHP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Conclusion	---	---	Pass	Pass	---	---

Test Items	Unit	Test Method	Results		MDL	Limit
			No.3	No.4		
Di-isobutyl phthalate (DIBP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Dibutyl phthalate (DBP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Benzyl butyl phthalate (BBP)	mg/kg	IEC 62321-8:2017	N.D.	N.D.	30	1000
Bis-(2-ethylhexyl)- phthalate (DEHP)	mg/kg	IEC 62321-8:2017	N.D.	32	30	1000
Conclusion	---	---	Pass	Pass	---	---

Note:

- (1) mg/kg=ppm=0.0001%;
- (2) N.D. =Not Detected (<MDL);
- (3) MDL=Method Detection Limit.

Parts description:

- No.1: White plastic fan handle
- No.2: Fixed feather white glue
- No.3: White feather
- No.4: White line
- No.5: Golden metal ring
- No.6: Silver metal shaft

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Sample Photo



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==== End of Test Report ====

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