

Prüfbericht - Nr.: 15103893.001		Seite 1 von 6 Page 1 of 6	
<i>Test Report No.:</i>			
Auftraggeber: <i>Client:</i>		Taizhou Jaring Curtain Wall Fittings Co.,Ltd Huaer Commerical Center, Yingbin Avenue East, Dainan Town, Xinghua City, Jiangsu, China	
Gegenstand der Prüfung: <i>Test item:</i>		Undercut Anchor	
Bezeichnung: <i>Identification:</i>		KUA-01 / KUA-02	
Wareneingangs-Nr.: <i>Receipt No.:</i>		--	
Eingangsdatum: <i>Date of receipt:</i>		2017-02-21	
Zustand des Prüfgegenstandes bei Anlieferung: The sample is OK for testing <i>Condition of test item at delivery:</i>			
Prüfört: <i>Testing location:</i>		TÜV Rheinland (Shanghai) Co., Ltd. 12-13F No. 177, Lane 777, West Guangzhong Road, Jing'an District, Shanghai, CHINA	
Prüfgrundlage: <i>Test specification:</i>		Reference to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU	
Prüfergebnis: <i>Test Result:</i>		Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). The test item passed the test specification(s).	
Prüflaboratorium: <i>Testing Laboratory:</i>		TÜV Rheinland (Shanghai) Co., Ltd.	
geprüft/ tested by:		kontrolliert/ reviewed by:	
 2017-03-02 Nicky Chen / Assistant Project Manager		 2017-03-02 Gale Gao / Technical Senior Manager	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	
Sonstiges/ Other Aspects: Country of Origin: China			
Abkürzungen:		Abbreviations:	
P(ass) = entspricht Prüfgrundlage		P(ass) = passed	
F(ail) = entspricht nicht Prüfgrundlage		F(ail) = failed	
N/A = nicht anwendbar		N/A = not applicable	
N/T = nicht getestet		N/T = not tested	
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test item. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

Verwendete Meßgeräte/Prüfmittel/Equipment list

Prüfmittel/Equipment	Gerätenummer/ Ident.-Nummer Barcode-Nummer Equipment number	nächste Kalibrierung/ Überwachung next calibration/ surveillance
ICP-OES	Chem 01	2018/06/06
GC-MS	Chem 154	2018/06/06
UV-VIS	Chem 03	2017/06/06
XRF	Chem 431	2017/08/08

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1. Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)

 Test method : Total Cadmium, Lead, Mercury, Chromium
 - Ref. to IEC 62321-4:2013 and IEC 62321-5:2013

 Chromium (VI)
 - For Metal material - Ref. to IEC 62321-7-1:2015
 - For Plastic or Electronic material – Ref. to IEC 62321:2008 Annex C
 - For Leather material - Ref. to ISO 17075:2007

PBBs, PBDEs – Ref. to IEC 62321-6:2015

Testing Period: 2017-02-21 – 2017-02-24

Material list:

Material No.	Material	Color	Test Plan
			A=Test HM only B=Test FR only C=Test HM+FR
1	Metal	Silver	A

Test result:

	Cd	Pb	Cr (VI)	Hg	PBBs	PBDEs
Maximum Permissible Limit ppm (mg/kg)	100	1000	1000	1000	1000	1000

Material No.	(mg/kg)					
	Cd	Pb	Cr ^{VI}	Hg	PBBs	PBDEs
	RL (mg/kg)					
	10	10	10	10	--(^3)	--(^3)
1	n.d.	n.d.	104,000	n.d.	N.A.	N.A.

Material no.	Hexavalent Chromium Content (µg/cm ²) ^(*)
	RL: 0.10 µg/cm ²
1	Negative

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Abbreviation: Pb = Lead
 Cd = Cadmium
 Hg = Mercury
 Cr = Chromium
 Cr (VI) = Chromium (VI)
 PBBs = Total Polybrominated Biphenyls
 PBDEs = Total Polybrominated Diphenyl Ethers
 n.d. = Not Detected (< Reporting Limit)
 RL = Reporting Limit
 N.A. = Not Applicable
 ^ = The total Chromium have been determined.
 mg/kg = milligram per kilogram

Remark :

- (*1) The total chromium content in Metal sample was found to be exceeded the maximum permissible limit (1000mg/kg). Thus, the Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	$<0.1 \mu\text{g}/\text{cm}^2$	The sample is negative (-ve) for Cr(VI). The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.
Inconclusive	$\geq 0.1 \mu\text{g}/\text{cm}^2$ and $\leq 0.13 \mu\text{g}/\text{cm}^2$	The result is considered to be inconclusive. Unavoidable coating variations may influence the determination. Recommendation: if additional samples are available, perform a total of 3 trials to increase sampling surface area. Use the averaged result of the 3 trials for the final determination.
Positive	$>0.13 \mu\text{g}/\text{cm}^2$	The sample is positive (+ve) for Cr(VI). Concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

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(*) The reporting limit for each individual PBBs and individual PBDEs are :

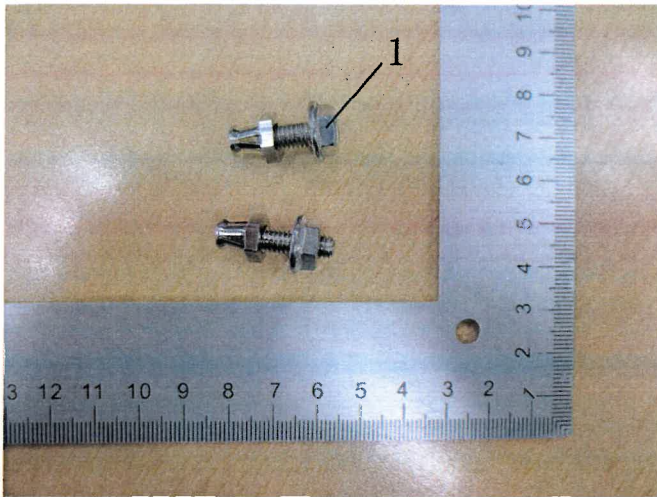
Reporting Limit (mg/kg)		
PBBs	Bromobiphenyl	5
	Dibromobiphenyl	5
	Tribromobiphenyl	5
	Tetrabromobiphenyl	5
	Pentabromobiphenyl	5
	Hexabromobiphenyl	5
	Heptabromobiphenyl	5
	Octabromobiphenyl	5
	Nonabromobiphenyl	5
	Decabromobiphenyl	5
PBDEs	Bromodiphenylether	5
	Dibromodiphenyl ether	5
	Tribromodiphenyl ether	5
	Tetrabromodiphenyl ether	5
	Pentabromodiphenyl ether	5
	Hexabromodiphenyl ether	5
	Heptabromodiphenyl ether	5
	Octabromodiphenyl ether	5
	Nonabromodiphenyl ether	5
	Decabromodiphenyl ether	5

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Sample photo:



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