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Report No.: STUGZCHEMO100411402TX  
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# TEST REPORT

Company's Name: Shenzhen Joyancy Technology Co., Ltd  
Company's Address: 5/F, 13th Building, No.34, Luogang RD, Buji Longgang District Shenzhen City, Guangdong Province, China  
Applicant's Name: Shenzhen Joyancy Technology Co., Ltd  
Applicant's Address: 5/F, 13th Building, No.34, Luogang RD, Buji Longgang District Shenzhen City, Guangdong Province, China  
Sample Description: LED shower  
Item No.: JNC-S007, JNC-S008, JNC-S009  
Sample Receipt Date: Apr 13, 2010  
Test Period: Apr 14, 2010 to Apr 19, 2010  
Test Method:  
1. Tests was performed for the samples indicated by the photos in the report with test methods reference to IEC 62321 ED. 1 111/95/GDV::Procedures for the determination of Levels of Six Regulated substances in Electrotechnical Products and conducted by XRF Spectroscopy.  
2. The tested parts are preferentially chosen according to the definition of homogenous materials by European Union Technical Adaptation Committee (TAC).  
3. According to the request of client, industrial high risk points are preferentially chosen as the scanned position.  
Test Result: Please refer to next page(s).  
Test Conclusion: 1) These scanned results on these positions are BELOW LIMIT  
Position: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
2) The scanned results on these positions are OVER LIMIT  
Position: NO

Signed for and on behalf of  
STU Ltd.

  
Jacky Yao  
Section Manager

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf.  
This report details the results of the testing carried out on the sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the STU PRODUCT CERTIFICATION MARK. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.  
This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of STU International Electrical Approvals or testing done by STU International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by STU International Electrical Approvals in writing.  
All test results in this report can be traceable to National or International Standards.



Test Results:

Part No.	Restricted Substances	Results of EDXRF	Conclusion on RoHS	Sample Submitted Date
1	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	BL	Comply	
2	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	...	\	
3	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	...	\	
4	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	BL	Comply	
5	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	BL	Comply	
6	CADMIUM(Cd)	...	\	Apr 16, 2010
	LEAD(Pb)	...	\	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	...	\	



7	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	BL	Comply	
8	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	BL	Comply	
9	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	...	\	
10	CADMIUM(Cd)	BL	Comply	Apr 16, 2010
	LEAD(Pb)	BL	Comply	
	MERCURY(Hg) BL		Comply	
	CHROMIUM(Cr) BL		Comply	
	BROMINE(Br)	...	\	

See Figure 1 to 3



Table 1. Screening limits in mg/kg for regulated elements in various matrices.

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$
Br	$BL \leq (300-3\sigma) < X$		$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

Remark:

- (1) "BELOW LIMIT"-If the result of the quantitative analysis, for all elements, is lower than the lower limits listed in Table 1.
- (2) "OVER LIMIT"- If the result of the quantitative analysis, for any of the elements Hg, Pb or Cd, is higher than the higher limits listed in Table 1.
- (3) "INCONCLUSIVE"- If the result of the quantitative analysis, (i) for any of the elements Hg, Pb or Cd, is in the region defined as intermediate, or (ii) if the result of the elements Br and Cr is higher than the higher limits listed in Table 1.

APPENDIX  
Photo Index For The Tested Positions  
General view



Figure 1 (JNC-S007, JNC-S008, JNC-S009)

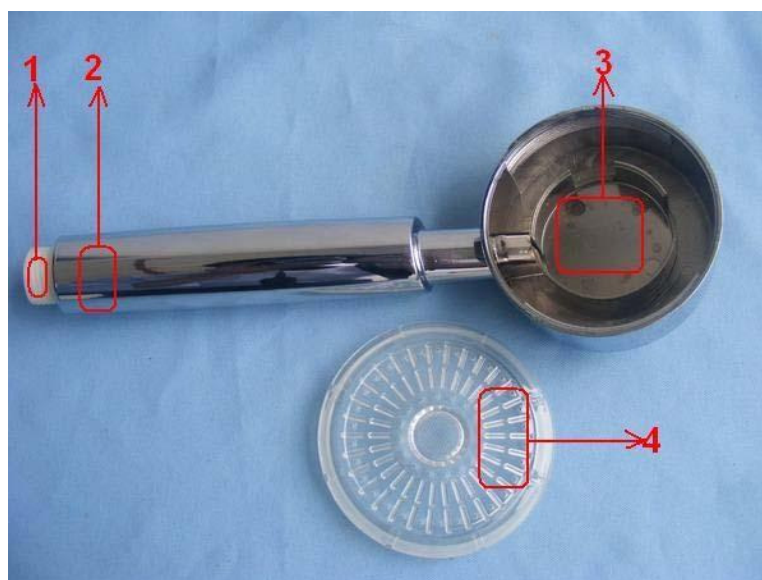


Figure 2

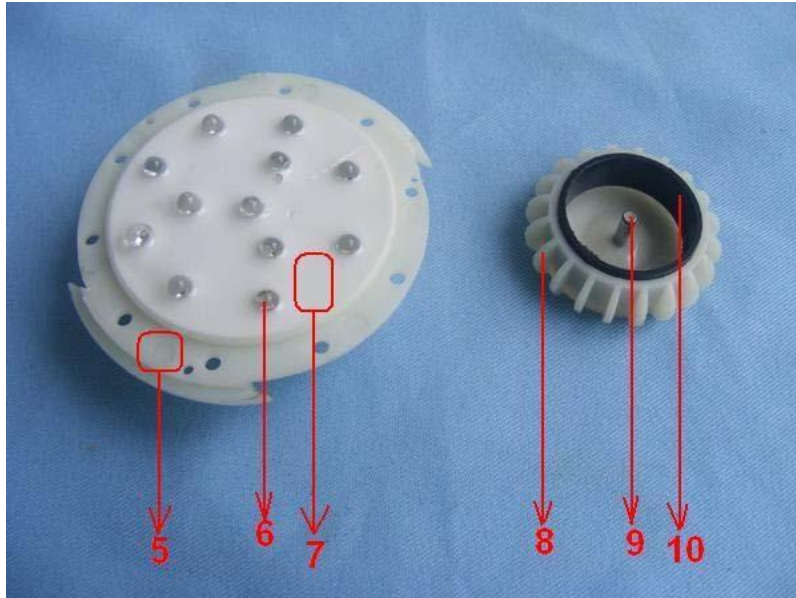


Figure 3

STU authenticate the photo on original report only

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End of Report

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