

Test Report

No. CANML1717999805

Date: 19 Sep 2017

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HUGO WAY CO.,LTD.

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The following sample(s) was/were submitted and identified on behalf of the clients as :
Nickel Plated Nickel Free

SGS Job No. : GZIN1709043261PC - GZ
 Date of Sample Received : 08 Sep 2017
 Testing Period : 08 Sep 2017 - 19 Sep 2017
 Test Requested : Selected test(s) as requested by client.
 Test Method : Please refer to next page(s).
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
Entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 94/27/EC and 2004/96/EC)– Nickel release	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Zm guan
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN17-179998.005	Silvery plated metal

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 94/27/EC and 2004/96/EC)– Nickel release

Test Method : With reference to EN 12472:2005+A1:2009 and EN 1811:2011+ A1:2015, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Sample Area	-	cm ²	-	11.56
Volume of Test Solution	-	mL	-	11.56
Nickel Release - Trial 1	0.50	µg/cm ² /week	0.10	ND
Nickel Release - Trial 2	0.50	µg/cm ² /week	0.10	ND
Nickel Release - Trial 3	0.50	µg/cm ² /week	0.10	ND
Comment				PASS

Notes :

- (1) Max. limit specified by entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 94/27/EC and 2004/96/EC).
- (2) Negative finding by Nickel spot test is observed based on CR 12471:2002 Clause 5.3.4. Simulation of wear and corrosion according to EN 12472:2005+A1:2009 has been applied prior to the EN 1811:2011+A1:2015.

Comments are given according to Annex A of EN1811:2011+ A1:2015 as below.

Type of sample	Nickel Release (µg/cm ² /week)	
	PASS	FAIL
Article with Nickel release limit of 0.5µg/cm ² /week	<0.88	≥ 0.88
Article with Nickel release limit of 0.2µg/cm ² /week	<0.35	≥ 0.35



Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***