

HULPF LIMITED
 903, KUO WAH BUILDING, 340-342 HENNESSY ROAD, WANCHAI HONGKONG

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : HBD00006-P-ST-00-PK
 SGS Ref No. : CAN13-080575
 Country of Destination : GERMANY
 Test Performed : Selected test(s) as requested by applicant
 Sample Receiving Date : May 29, 2013
 Test Performing Date : May 29, 2013 to Jun 09, 2013
 Test Result(s) : For further details, please refer to the following page(s)

Test Requested	Result
To determine the release of Nickel(Ni) content in the submitted sample(s) in accordance with the 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 & 2004/96/EC).	PASS

Signed for and on behalf of
 SGS-CSTC Ltd.



Yan Lau
 Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	CAN13-080575.001	Silvery metal w/ mauve surface

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 : As specified in EN 1811: 2011+ AC:2012,.Analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001
Sample Area	-	sq. cm	-	10.04
Volume of Test Solution	-	ml	-	10.04
Spot Test	-	-	-	Negative
Nickel Release - Trial 1	0.50	µg/sq. cm/week	0.10	ND
Nickel Release - Trial 2	0.50	µg/sq. cm/week	0.10	ND
Nickel Release - Trial 3	0.50	µg/sq. cm/week	0.10	ND

Conclusion**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) As Nickel is found to be negative by CR 12471:2002, simulation of wear and corrosion by the EN 12472:2005 + A1:2009 is performed.

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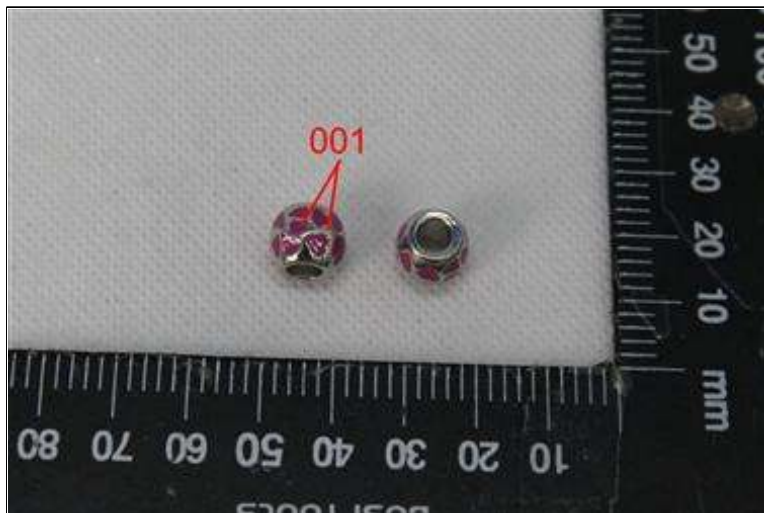
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Comments are given according to Annex A of EN1811:2011 as below:

Type of sample	Nickel Release ($\mu\text{g}/\text{cm}^2/\text{week}$)		
	PASS	NO CLEAR DECISION*	FAIL
Article with Nickel release limit of $0.5\mu\text{g}/\text{cm}^2/\text{week}$	≤ 0.28	>0.28 and <0.88	≥ 0.88
Article with Nickel release limit of $0.2\mu\text{g}/\text{cm}^2/\text{week}$	≤ 0.11	>0.11 and <0.35	≥ 0.35

* No clear decision = Inconclusive

Sample photo:



End of Report

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