Test Report

Date: 2019-07-23
No: HT19060212

Applicant	:	Bestko Precision Limited Unit 520, Metro Centre 2, 21 Lam Hing Street, Kowloon Bay, Hong Kong Attn.: Thomas Lau
Description of Sample(s)	:	Two (2) pieces of submitted shower hinge sample said to be 304 Stainless Steel Shower Hinge in PVD Gold Finish Style: AT4011A Country of origin: China
Date Sample(s) Received	:	2019-06-21
Date Tested	:	2019-06-21 to 2019-07-15
Investigation Requested	:	Selected test(s) as detailed herein.
Conclusion(s)	:	The submitted sample complied with the requirement of appearance according to grade 3 of BS EN1670:2007 and grade 10 of ISO10289.

CHENG Chun-yiu, David,
Authorized Signatory

Note: When a statement of conformity to a specification or standard is provided, the ILAC-G8 Guidance document (and/or IEC Guide 115 in the electrotechnical sector) will be adopted as a decision rule for the determination of conformity unless it is inherent in the requested specification or standard, or otherwise specified in the Report.

The Hong Kong Standards and Testing Centre Limited
10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong
Tel: +852 2666 1888 Fax: +852 2664 4353 Email: hkstc@stc.group Website: www.stc.group

Laboratory : Unit B, 10/F, Block 1, Tai Ping Industrial Centre, No. 57 Ting Kok Road, Tai Po, N.T., Hong Kong

TEST RESULT(S):

Corrosion tests in artificial atmospheres – neutral salt spray test (NSS)

Method Used: BS EN 1670 : 2007 and ISO 9227:2017

(The submitted samples (coated surface only) were inspected visually before the test and then put into the salt spray chamber. The samples were taken out and inspected visually after 96 hours of spraying.)

Scope	To assess the corrosion resistance of metallic materials with or without permanent corrosion protection or temporary corrosion protection.
Type of test adopted	Neutral Salt Spray Test (NSS) - Particularly use for detecting discontinuities such as pores and other defect in certain metallic, anodic oxide and conversion coatings.
No. of Specimens	1 sample was selected for test. Remaining piece was kept as control sample.
NaCl Solution	Concentration in 50 gram sodium chloride dissolve in a litre distilled water.
pH Value in chamber at 25°C	6.5
Spraying	At an absolute pressure of 5 Psi
Arrangement Angle	At 15-30° from the vertical.
Test Machine	Salt Spray Tester.
Chamber Temperature	35°C.
Test Duration	96 hours (As per client requirement)
Test results	Observation was (were) shown in following table :

Appearance acceptance condition	Observation
i) Surface should show no sign of tarnish as blackening or adverse discolouration of the surface ii) No more than an average of one rust spot per 650mm^2 of significant surface and without any spots larger than 1.5mm in any direction should be found iii) Degree of blistering of surfaces should not be greater than density 2 and the size of any blisters should not exceed size 3 according to EN ISO 4628-2	96 Hours - the specimen fulfill appearance acceptance condition i), ii) and iii)

ISO10289 — Protection (R_p) and appearance (R_A) ratings

Area of defects A (%)	Rating R_p or R_A
No defects	10
$0 < A \leq 0,1$	9
$0,1 < A \leq 0,25$	8
$0,25 < A \leq 0,5$	7
$0,5 < A \leq 1,0$	6
$1,0 < A \leq 2,5$	5
$2,5 < A \leq 5,0$	4
$5,0 < A \leq 10$	3
$10 < A \leq 25$	2
$25 < A \leq 50$	1
$50 \leq A$	0

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Appendix Photo(s):

Before test

After test

********* End of Test Report *********