

TEST REPORT

No: IDHG2310001869

Date: March 06, 2024

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**HUBEN
JAKARTA, INDONESIA**

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

Sample Description : SM-L4 CLIP-ON SOFT CLOSE HINGE
 Client's reference No. : 2310001869
 Batch/Lot No. : -
 Part No. : -
 Color : NICKEL
 Manufacturer/Vendor : -
 Buyer : HUBEN INDONESIA
 Country of Origin : CHINA
 Country of Destination : INDONESIA
 Sample Receiving Date : February 21, 2024
 Test Performing Period : February 21, 2024 to March 06, 2024
 Test Requested : Selected test (s) as requested by client.
 Test Method(s) and Test Result(s) : Please refer to the next page(s).

Signed for and on behalf of
 PT. SGS Indonesia



**Toto Waluyadi
 Hardgood Lab Manager**

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Salt Spray Test

Test item: Salt Spray Test

Test method: ISO 9227:2017

Test conditions:

Concentration of solution collected: 5% NaCl (m/m)

Chamber temperature: (35±2)°C

Volume of salt solution collected: (1.0~2.0) ml/(80cm².h)

pH of collected solution at (23±3)°C: 6.5~7.2

TEST RESULT(s):

Exposure period: 12 hours

Component	Appearance Rating (AR)	Observation	Protection Rating (RP)
SM-L4 CLIP-ON SOFT CLOSE HINGE	R10	No Change	R10
SCREWS	R10	No Change	R10
HUBEN LOGO PLATS	R10	No Change	R10

Exposure period: 24 hours

Component	Appearance Rating (AR)	Observation	Protection Rating (RP)
SM-L4 CLIP-ON SOFT CLOSE HINGE	R10	No Change	R10
SCREWS	R10	No Change	R10
HUBEN LOGO PLATS	R7	Slight Colour change due to deterioration of the coating	R10

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Exposure period: 36 hours

Component	Appearance Rating (AR)	Observation	Protection Rating (RP)
SM-L4 CLIP-ON SOFT CLOSE HINGE	R7	Slight Colour change due to deterioration of the coating	R10
SCREWS	R10	No Change	R10
HUBEN LOGO PLATS	R6	Slight Colour change due to deterioration of the coating	R10

Exposure period: 48 hours

Component	Appearance Rating (AR)	Observation	Protection Rating (RP)
SM-L4 CLIP-ON SOFT CLOSE HINGE	R5	Moderate Slight Colour change due to deterioration of the coating	R10
SCREWS	R9	Very Slight Colour change due to deterioration of the coating	R10
HUBEN LOGO PLATS	R5	Moderate Slight Colour change due to deterioration of the coating	R9

Note: Appearance rating refers to EN ISO 10289:2001, as follows:

Area of defects, A (%)	Appearance rating
0(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
$50 < A$	0

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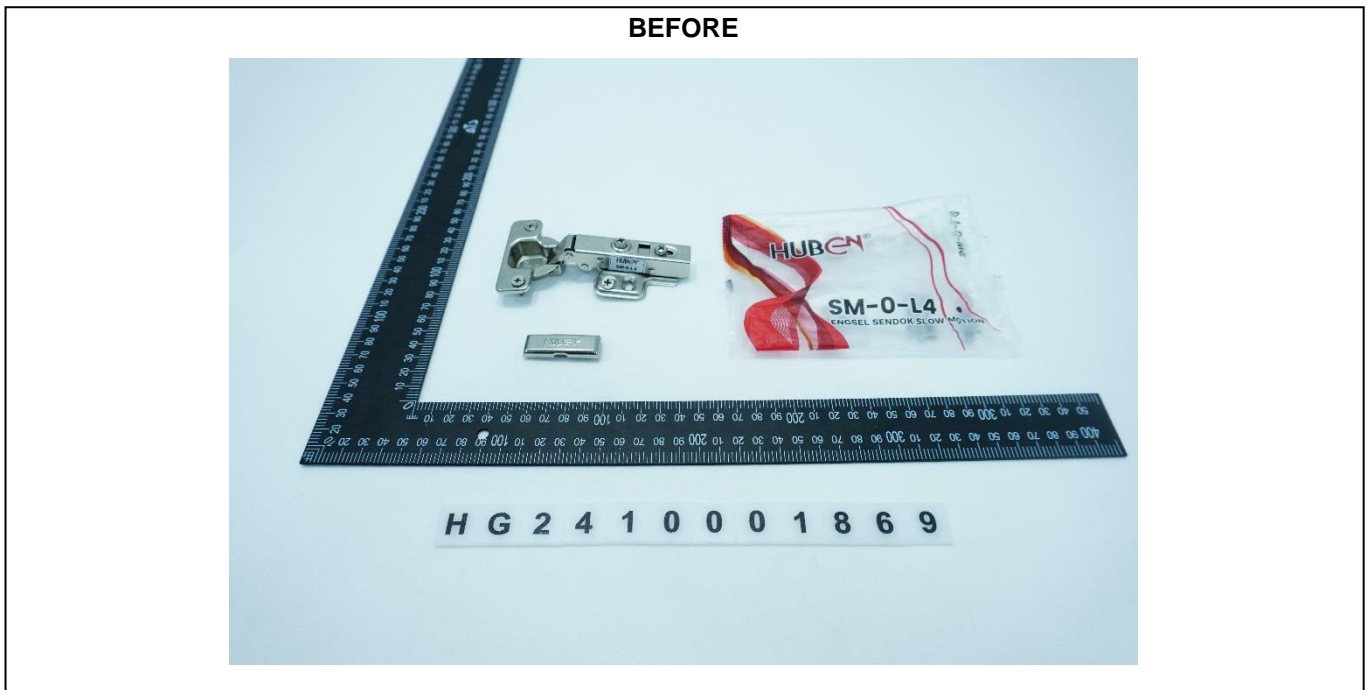
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Sample Picture



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