

STVS CO., LTD

37 HOA MAI, WARD 2, PHU NHUAN DISTRICT, HO CHI MINH CITY, VIETNAM

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

SGS Job No. : VNHL1907012485HG

Sample Description : ASSEMBLY HANDRAIL “(LAN CAN LAP RAP)”

Color : “MA KEM” (GALVANIZED)

Characteristic : “THEP MA KEM NHUNG NONG”

Style / Item No. : CP32HB3P0G0

Date of Production : 06/2019

Manufacturer : STVS CO., LTD

Buyer : STVS CO., LTD

Country of Origin : VIET NAM

Country of Destination : WORLD WIDE

Other Information : ASSEMBLY HANDRAIL
PIPE DIMENSION: 42.2x3.2mm
POST CENTRE DISTANT: 1500mm
HEIGHT: 1050mm
HORIZONTAL BARS QUANTITY: 2 BARS
ANCHOR BOLT: M12-100
FINISHING: HOT DIP GALVANIZED
MANUFACTURE: STVS CO., LTD

Sample Receiving Date : JULY 29, 2019

Final confirmed Date : JULY 29, 2019

Testing Period : JULY 29, 2019 TO AUGUST 05, 2019

Test Requested : SELECTED TEST (S) AS REQUESTED BY CLIENT.

Test Results : PLEASE REFER TO NEXT PAGE(S).

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Signed for and on behalf of
SGS Vietnam LTD



Wong Cho Wing
Hardline and E&E Lab Manager



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Test result(s):

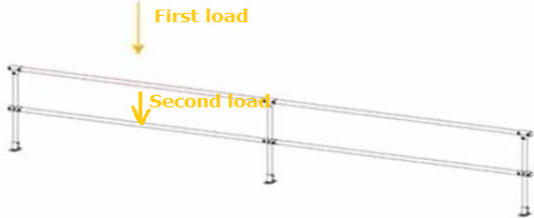
Sample Description : ASSEMBLY HANDRAIL “(LAN CAN LAP RAP)”

| Test items | Test method | Requirements | Result |
|-----------------|-------------------------|--|--|
| Load test: No.1 | As client's requirement | <ul style="list-style-type: none"> - Step 1: Applied the horizontal load 100kg to the middle vertical post for 5 minutes (see below picture). Visual check if any damaged. - Step 2: if no any damaged in step 1, applied the horizontal load 150kg to the middle vertical post for 2 minutes. Visual check if any damaged.  <p>Test 1: Applying point load to vertical post</p> | <ul style="list-style-type: none"> - Step 1: No damage with the load 100kg for 5min. - Step 2: No damage with the load 150kg for 2min. |
| Load test: No.2 | As client's requirement | <ul style="list-style-type: none"> - Step 1: Applied the horizontal load 150kg to the center of one top rail for 5 minutes (see below picture). Visual check if any damaged. - Step 2: if no any damaged in step 1, applied the horizontal load 200kg to the center of one top rail for 2 minutes. Visual check if any damaged.  <p>Test 2: Applying point load to center of top rail</p> | <ul style="list-style-type: none"> - Step 1: No damage with the load 150kg for 5min. - Step 2: No damage with the load 200kg for 2min. |

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| Test items | Test method | Requirements | Result |
|--------------------|-------------------------|---|--|
| Load test: No.3 | As client's requirement | <p>1.First load</p> <ul style="list-style-type: none"> - Step 1: Applied the vertical load 150kg to the center of one top rail for 5 minutes (see below picture). Visual check if any damaged. - Step 2: if no any damaged in step 1, applied the vertical load 250kg to the center of one top rail for 2 minutes. Visual check if any damaged. <p>2.Second load</p> <ul style="list-style-type: none"> - Applied the vertical load 200kg to the center of second rail for 2 minutes (see below picture). Visual check if any damaged. <div style="text-align: center;">  <p>Test 3: Applying point load to top rail</p> </div> | <p>1/ First load:</p> <ul style="list-style-type: none"> - Step 1: No damage - Step 2: No damage <p>1/ Second load:</p> <ul style="list-style-type: none"> - No damage with the vertical load 200Kg for 2min. |

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| Test items | Test method | Requirements | Result |
|-----------------|-------------------------|---|--|
| Load test: No.4 | As client's requirement | <ul style="list-style-type: none"> - Step 1: Applied the horizontal distributed load 150kg through the bar 1m length at the middle of one top rail (see below picture) for 5 minutes. Visual check if any damaged. - Step 2: if no any damaged in step 1, applied the horizontal distributed load 200kg through the bar 1m length at the middle of one top rail for 2 minutes. Visual check if any damaged.  | <ul style="list-style-type: none"> - Step 1: No damage - Step 2: No damage |

Remark: This / these test(s) was / were performed by SGS Vietnam's Hardline Lab

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PHOTO APPENDIX



REPORT RESULTS REFER TO SUBMITTED SAMPLE (S) ONLY

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

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