

TEST REPORT: 7191095101-CHM14-02-DCB

Date: 29 AUG 2020

Tel: +65 68851335 Fax: +65 67784301

Client's Ref:

Email: Sihai.LI@tuv-sud-psb.sg

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.



PSB Singapore

Choose certainty.
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SUBJECT

Analysis of Cable Sheath

CLIENT

Le Home Creation
1006 Aljuneid Ave 5
#01-04
Singapore 389887

Attn: Mr. Lawrence Lee

SAMPLE SUBMISSION / TEST DATE

22 Aug 2020 / 25 Aug 2020

DESCRIPTION OF SAMPLE

One Stainless Steel Cable with Cable Sheath sample was received



METHOD OF TEST

Fourier Transform Infrared Spectroscopy (FTIR) analysis on Cable Sheath only



TÜV SÜD PSB

Laboratory:
TÜV SÜD PSB Pte. Ltd.
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Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TUV®

METHOD OF TEST

Analysis for Stainless Steel Cable component:

1. Carbon and Sulphur by ELTRA CS 2000 Carbon / Sulphur Analyser
2. Other elements by Inductively Coupled Plasma – Atomic Emission Spectrometry

RESULTS

Characteristics	Stainless Steel Cable	AISI 316 Specification
Carbon as C, % m/m	0.06	0.08 max
Silicon as Si, % m/m	0.28	1.00 max
Manganese as Mn, % m/m	0.94	2.00 max
Phosphorous as P, % m/m	0.034	0.045 max
Sulphur as S, % m/m	0.015	0.030 max
Chromium as Cr, % m/m	17.07	16.00 – 18.00
Molybdenum as Mo, % m/m	2.00	2.00 – 3.00
Nickel as Ni, % m/m	10.96	10.00 – 14.00

Remarks

Chemical composition of the sample (Stainless Steel Cable component) complies with AISI 316 Specification.



DULIN CHRISTIAN BRYAN
CHEMIST



DR LI SIHAI
AVP / SENIOR CHEMIST
COATINGS & INDUSTRIAL CHEMICALS
CHEMICAL & MATERIALS

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The Franklin, Singapore 118223
TUV®



Quality Management System Certificate of Approval

This is to certify that the QMS of

LE HOME CREATION

Blk 1006 Aljunied Avenue 5

#01-04

Singapore 389887

Has been assessed and found to meet the requirements of

ISO9001:2008

This certificate is valid for the following scope of operations:

**Installation of Invisible Window Grilles,
Automated Gates and Security Devices**

Authorised by:

Stan Wright
Chief Executive

Date of Certificate Issue: 26 August 2020

Certificate Valid Until: 25 August 2023

Recertification audit before 25 June 2023. Certified since 26 August 2020. This certificate is the property of DAS Certification and remains valid subject to satisfactory annual surveillance audits.

SN Registrars (Holdings) Limited

Certificate Number: 52494665/13/Q

Registration House,
22b Church Street,
Rushden, Northamptonshire,
NN10 9YT, UK
Tel: +44 (0) 1933 381859
Email: info@dascertification.co.uk
Web: www.dascertification.co.uk
Company number: 07659067





Occupational Safety & Health Certificate of Approval

This is to certify that the OHSMS

LE HOME CREATION

Blk 1006 Aljunied Avenue 5

#01-04

Singapore 389887

Has been assessed and found to meet the requirements of

BS OHSAS18001:2007

This certificate is valid for the following scope of operations:

**Installation of Invisible Window Grills,
Automated Gates and Security Devices**

Authorised by:

A handwritten signature in black ink, appearing to read 'Lim King Huat'.

**Lim King Huat
Scheme Manager**

Date of Certificate Issue: 26 August 2020

Certificate Valid until: 25 August 2023

Recertification audit before 25 June 2023. Certified since 26 August 2020. This certificate is the property of DAS Certification and remains valid subject to satisfactory annual surveillance audits.

DAS Certification

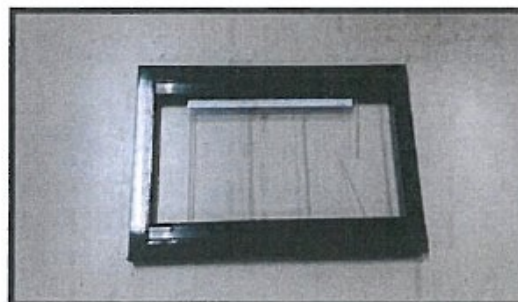
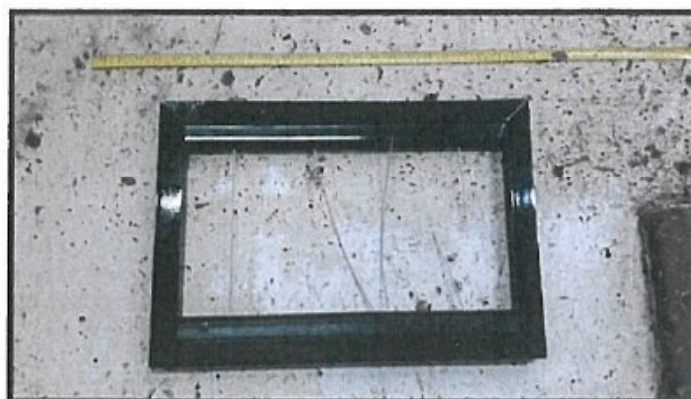
Certificate Number: OSH70075

33 Ubi Avenue 3
#02-34 Vertex Tower A
Singapore 408868
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Fax: (65) 6235 6838
email: info@dascertsg.com
Web: www.dascertsg.com
Company number: 200720506W



Results:**Table: Compression Load Test**

Sample Reference	Invisible Grille With Frame (Single Wire)
Maximum Load (kN)	4.38
Failure Mode	Refer to Photograph 3

**Photograph 1 : Show Sample Received****Photograph 2 : Show One length of the cable
was cut prior to the test****Photograph 3 : Show tested sample**



SETSCO SERVICES PTE LTD

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Business Reg. No. 196900269D

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

Your Ref: -

Our Ref: MM-42767/YPS/1

Date: 09 September 2020

Page 1 of 2

Subject : Testing of Invisible Grille with Frame submitted by Le Home Creation on 29 August 2020.

Tested For : LE HOME CREATION
Blk 1006 Aljunied Ave 5
#01-04
Singapore 389887

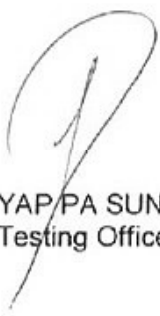
Attn: Mr. Lawrence Lee

Date and Place of Test : 05 September 2020 at Setsco Laboratory

Method of Test : Compression Load Test
The tested sample was placed on a fixture. Compression load was applied via a test block of diameter 150mm and the compression load was recorded.

Description of Sample : One (01) piece of Invisible Grille with Frame was tested.

Results : Compression Load Test
Refer to Table attached.


YAPPA SUN
Testing Officer


LIM CHIN SEONG
Principal Engineer (Mechanical Testing)
Mechanical Technology Division

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RESULTS

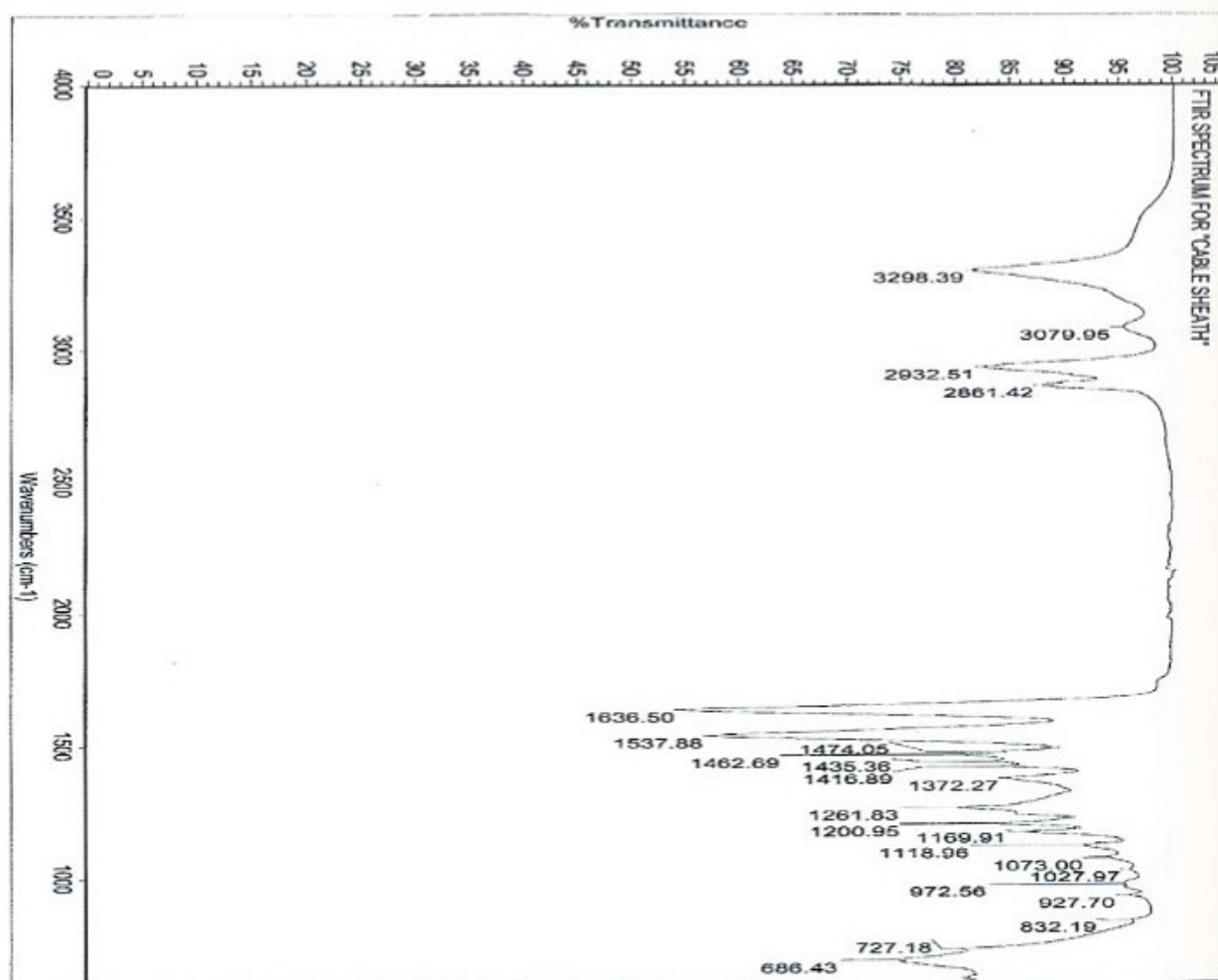


Figure 1: "Cable Sheath" FTIR Spectrum

Remarks

The Cable Sheath sample was found to be Nylon-11



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