

TEST REPORT

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

SetSCO Services Pte Ltd
18 Teban Gardens Crescent
Singapore 608925
Tel : (65) 6566 7777
Fax: (65) 6566 7718
www.setsco.com
Business Reg. No. 196900269D

Our Ref : CE-8500125987/LLY/1

Date : 20/10/2020

Page 1 of 2

Subject : FTIR analysis on sample submitted by DECORLAND SHOWROOM on 01/10/2020 and test commenced on 05/10/2020.

Tested For : **DECORLAND SHOWROOM**
7 Mandai Link
Mandai Connection
Block B, Unit 04-31
Singapore 728653
Attn : Ms Jeanne Low

Test Method : Fourier-transform infrared spectroscopy (FTIR) is used for the analysis.

Sample Description : **Coating**



Figure 1 : Sample as received

Results : FTIR spectra of the sample are shown in Figure 2. Via FTIR matching, the spectrum of the sample is close to Polytetrafluoroethylene, shown in Figure 3.


XIE YUMIN
CHEMIST


DR LIN LIYU
PRINCIPAL ENGINEER

BIOLOGICAL & CHEMICAL TECHNOLOGY DIVISION

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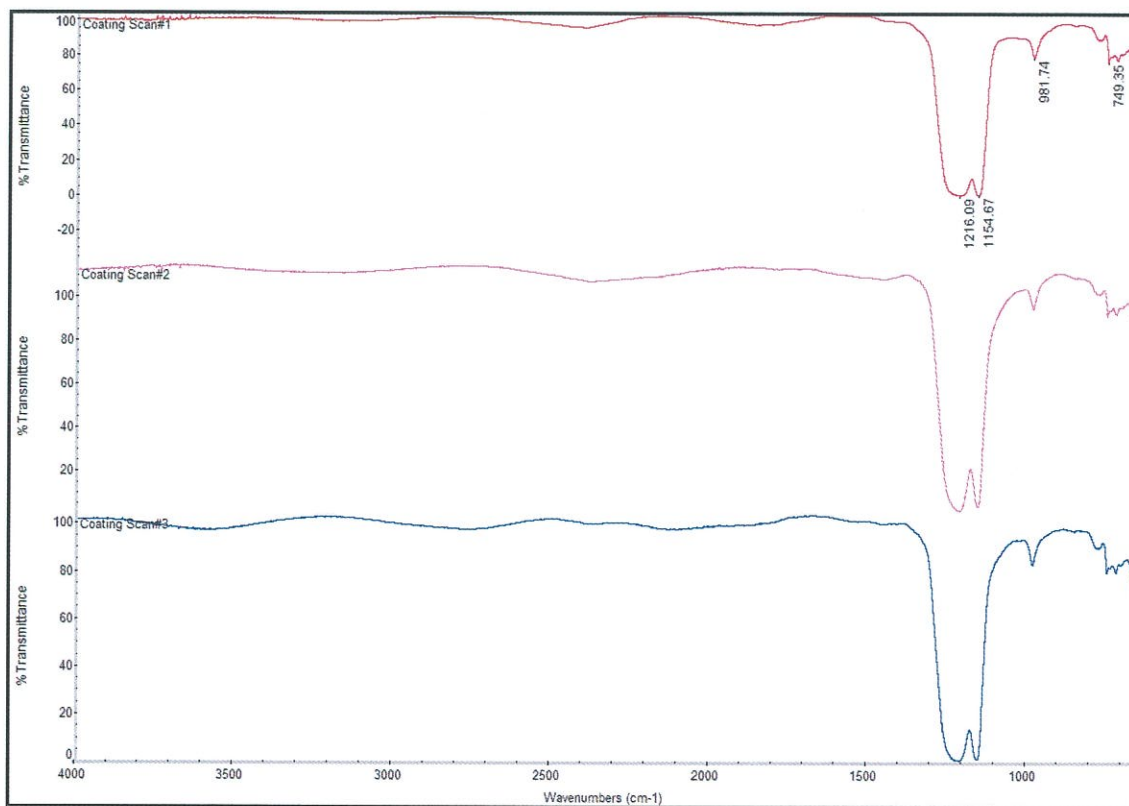


Figure 2 : FTIR spectra of sample

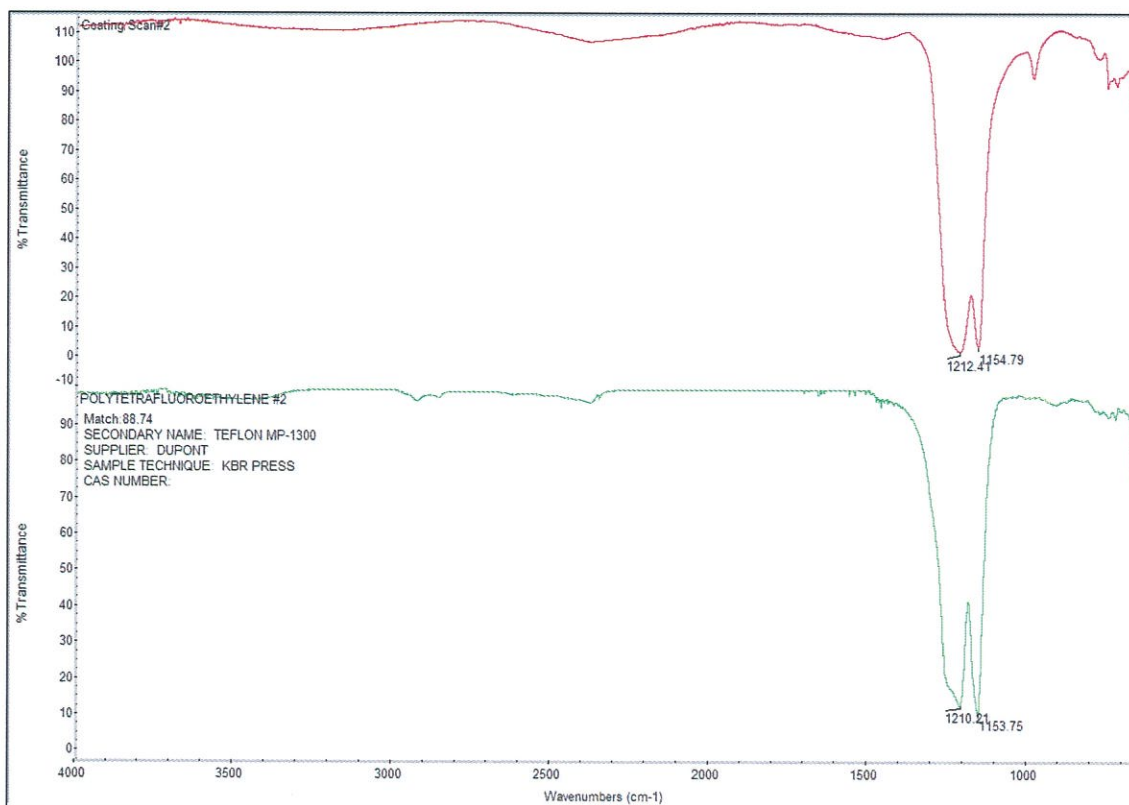


Figure 3 : FTIR comparison of sample with Polytetrafluoroethylene

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Our Ref : CE-8500125987/EBY/2

Date : 08/10/2020

Page 1 of 2

Subject : Chemical composition analysis on metal articles submitted by DECORLAND SHOWROOM on 01/10/2020 and tested on 01/10/2020.

Tested For : **DECORLAND SHOWROOM**
7 Mandai Link
Mandai Connection
Block B, Unit 04-31
Singapore 728653
Attn : Ms Jeanne Low

Test Method : Inductively Coupled Plasma
ASTM E1019 : 11 (Carbon & Sulfur)

Specification : ASTM A 276 : 16a

Sample Description : 1 number of Stainless Steel Wire sample was received and tested for its chemical composition.



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Results :

Element	Result (%)	ASTM A 276: 16a Grade 316 % Max.
	15 - G	
Carbon, C	0.07	0.08 Max.
Silicon, Si	0.10	1.05 Max.
Manganese, Mn	0.76	2.04 Max.
Phosphorus, P	0.041	0.055 Max.
Sulphur, S	0.011	0.035 Max.
Nickel, Ni	10.03	Min. 9.85 - 14.15 Max.
Chromium, Cr	16.34	Min. 15.80 - 18.20 Max.
Molybdenum, Mo	1.97	Min. 1.90 - 3.10 Max.

Remark : 1) The above test results comply to ASTM A 276 : 16a Grade 316 requirements which is based on simple acceptance decision rule.
 2) SETSCO shall adopt the Simple Acceptance as the decision rule in evaluating conformance to specification.



DANIEL PANG
EXECUTIVE CHEMIST



ELIAS BIN YEASON
EXECUTIVE CHEMIST

BIOLOGICAL & CHEMICAL TECHNOLOGY DIVISION

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Singapore 608925
Tel : (65) 6566 7777
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Business Reg. No. 196900269D

Date: 14 October 2020

Your Ref: -

Our Ref: CE-8500125987/CKT/3

Page 1 of 2

Subject : Testing of Stainless Steel Cable submitted by Decorland Showroom on 07 October 2020.

Tested For : **DECORLAND SHOWROOM**
7 Mandai Link
Mandai Connection
Block B, Unit 04-31
Singapore 728653

Attn: Ms. Jeanne Low

Date and Place of Test : 13 October 2020 at Setsco Laboratory

Method of Test : Tension Load Test
The test sample was placed on the Universal Testing Machine in a vertical position. Tension load was applied gradually until failure. The maximum load was then recorded.

Description of Sample : One (01) piece of Stainless Steel Cable was received.
(Refer to Photograph 1 attached)

Results : Tension Load Test
Refer to Table and Photograph 2 attached.



CHEW KENG TIONG
Testing Officer



LIM CHIN SEONG
Assistant Manager (Mechanical Testing)
Mechanical Technology Division

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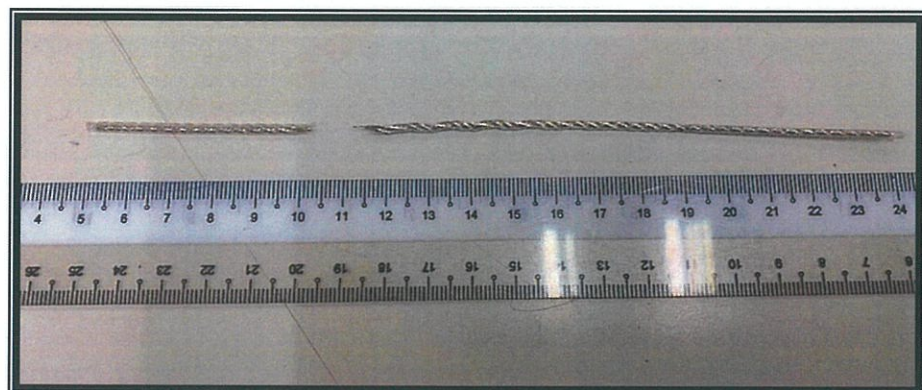
Results:

Table: Tension Load Test

Sample Reference	Stainless Steel Cable
Maximum Load (kgf)	176.3
Position of Fractured	Fractured at Wire (Refer to Photograph 2 attached)



Photograph 1 show sample submitted.



Photograph 2 show tested sample.

Lee

[Handwritten signature]