



香港標準及檢定中心
Hong Kong Standards and Testing Centre

Date : 2002-01-30

TEST REPORT

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NO: HC112654

APPLICANT: (Code: LIH001)

Lik Hung Metal Works Ltd
G/F 5 Cheung Shun St
Cheung Sha Wan
Kln

Attn: Mr Chan Chi Wah

DESCRIPTION OF SAMPLE(S):

- Two submitted samples said to be :
1. 2 pcs of 1.6mm thickness mild steel
 2. 2 pcs of 2.0mm thickness mild steel

SAMPLE(S) RECEIVED DATE:

2002-01-19

TESTED DATE:

2002-01-23 to 2002-01-30

INVESTIGATION(S) REQUESTED:

1. Mechanical property
 - Tensile strength
 - Elongation
 - Yield strength
2. Chemical composition
 - Carbon content
 - Sulfur content
 - Phosphorus content
 - Manganese content


Anne Chuah, CFD
For Chief Executive



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METHOD(S) USED:

1. BS 18: 1987
2. Combustion Method and Inductively Coupled Plasma – Atomic Emission Spectrophotometry

TEST RESULT(S):

Mechanical property	1.6mm thickness Mild Steel	2.0mm thickness Mild Steel	Minimum Requirement
Tensile Strength	358 N/mm ²	347 N/mm ²	280 N/mm ²
Elongation	87%	55%	-----
Yield Strength	269 N/mm ²	216 N/mm ²	170 N/mm ²

Chemical composition	1.6mm thickness Mild Steel	2.0mm thickness Mild Steel	Ladle analysis % Maximum
Carbon content	0.03%	0.04%	0.12%
Sulfur content	<0.010%	<0.010%	0.045%
Phosphorus content	<0.010%	<0.010%	0.045%
Manganese content	0.20%	0.14%	0.60%

SUMMARY:

1. The tested mechanical properties of the submitted samples complied with the requirements specified in BS 1449 Section 1.2: 1991 grade HR 15.
2. The tested chemical compositions of the submitted samples complied with the specifications for BS EN 10130: 1991 designation of DC01.

*****End of Document*****

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