



Certificate No:

QYJ170221HESNZ

This is to certify that the nominated size and quality of the following product has been inspected and tested in accordance with the Chemical/Material Composition below.

MATERIAL CERTIFICATE

Product Description:

Commercial Shackles, Wire Rope Grips, & Split Links

Customer Issued To:

HES NZ Ltd
3 Heb Place
Takanini Auckland 2105

Order Number:

3637

ITEMS: COMMERCIAL SHACKLES, U BOLTS FOR GRIPS & SPLIT LINKS

CHEMICAL COMPOSITION Chinese #Q235

ELEMENTS	C	Si	Mn	S	P
REQUIRED	0.14-0.20	0.17-0.30	0.30-0.65	<0.05	<0.045
ACTUAL	0.18	0.25	0.55	0.03	0.025

ITEMS: CASTING GRIPS BODY

CHEMICAL COMPOSITION Chinese KT32510

ELEMENTS	C	Si	Mn	S	P
REQUIRED	2.2-2.8	1-1.8	0.30-0.8	<0.02	<0.1
ACTUAL	2.5	1.5	0.6	0.018	0.08

Authorised Signatory

Date:

27/5/2017

Manufactured and inspected for and on behalf of:



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