

## TEST CERTIFICATE

This is to certify that the nominated size and quality of the following SLR product has been inspected and tested with following results.



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Customer Sold To:   
 HESNZ  
 3 Heb Place  
 Takanini, Auckland, New Zealand

Order:	4323
Invoice:	23867
Date:	9/04/2019
Certificate No:	181001HESNZ

**GOODS: GRADE S SHACKLES & FEDERAL SIZES ABOVE 35T**  
**SURFACE: HDG BODY & YELLOW PIN**

SIZE:	WLL	REQUIRED	ACTUAL			BATCH ID
	TON	BS (TON)	AVERAGE			
BOW TYPE	0.33	1.98	2.5			D115
	0.5	3	4.0			D117
	0.75	4.5	5.0			D116
	1	6	7.0			D114/7
	1.5	9	10.0			D115/6
	2	12	14.5			D113/5
	3.25	19.5	20.0			D116/7
	4.75	28.5	32.5			D115
	6.5	39	40			D117
	12	72	73			D116

**CHEMICAL COMPOSITION BODY: Chinese #45**

ELEMENTS	C	Si	Mn	S	P	Cr	Al
REQUIRED	0.42-0.50	0.17-0.37	0.50-0.80	<0.035	<0.035	<0.25	0.025
ACTUAL	0.45	0.25	0.65	0.02	0.02	0.17	0.025

**CHEMICAL COMPOSITION PIN: Chinese #40Cr**

ELEMENTS	C	Si	Mn	S	P	Cr	Al
REQUIRED	0.37-0.45	0.17-0.37	0.50-0.80	<0.03	<0.03	0.80-1.10	0.025
ACTUAL	0.4	0.25	0.65	0.02	0.02	1	0.025

We hereby certify the above test is true and correct. All shackles are tested as per AS2741.