Allan Marketing Group

TEST CERTIFICATE

This is to certify that the nominated following products have been inspected and tested with following results.

Customer Sold To:

HESNZ
3 Heb Place
Takanini, Auckland, New Zealand

Order:	*6763A*
Invoice:	*54801*
Date:	*12/10/2026*
Certificate No:	ZHI-260630HESNZ

GOODS: GRADE S SHACKLES
SURFACE: HDG BODY & YELLOW PIN

SIZE:	WLL TON	REQUIRED BS (TON)	ACTUAL AVERAGE	BATCH ID	BATCH QTY
BOW TYPE	0.75	4.5	4.78	D208	1200
BOW TYPE	1.00	6	6.38	D208	1200
BOW TYPE	1.50	9	9.62	D208	1600
BOW TYPE	2.00	12	12.83	D210	840
BOW TYPE	3.25	19.5	20.85	D210	750
BOW TYPE	6.50	39	41.22	D206	200
BOW TYPE	8.50	51	54.31	D206	160
BOW TYPE	9.50	57	60.40	D206	150
BOW TYPE	17.00	102	108.55	D208	30
BOW SAFETY	8.50	51	54.36	D205	80

CHEMICAL COMPOSITION BODY: Chinese #45

ELEMENTS	C	Si	Mn	S	P	Al
REQUIRED	<0.45	0.17-0.37	0.50-0.80	<0.03	<0.03	>0.025
ACTUAL	0.43	0.25	0.65	0.02	0.02	0.025

CHEMICAL COMPOSITION NEW PIN: Chinese #CM690

ELEMENTS	C	Si	Mn	S	P	Al
REQUIRED	<0.45	0.15-0.55	1.3-1.9	<0.03	<0.03	>0.025
ACTUAL	0.29	0.22	1.7	0.003	0.017	0.043

Heat Treatment: Hardened & Tempered.
HARDNESS(required not more than HRC32):
BODY(actual HRC): 29, 28, 30, 28, 29, 28, 29, 30, 28, 29
PIN(actual HRC): 31, 32, 31, 30, 32, 31, 31, 30, 31, 32

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

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