



SUPPLIER Dalian Steelforce Hi-Tech Co., Ltd.  
No. 26 Number 2 Street DD Port,  
Dalian Development Zone,  
Liaoning, China.

TEST CERTIFICATE NUMBER 2021-04-05AGRI7021AD1202  
DATE PRINTED 28-04-2021  
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CUSTOMER HJ ASMUS WELLINGTON

CUSTOMER REFERENCE 110333

CUSTOMER ITEM NUMBER

#### PRODUCT DESCRIPTION

PRODUCT: 100x100x5.0/8m RHS  
FINISH: NOPC  
MATERIAL: Cold Formed Structural Steel Hollow Sections  
SPECIFICATION: AS/NZS 1163:2016  
GRADE: C350LO  
STEELMAKING: Basic Oxygen, Continuously Cast, Fine Grained, Fully Killed  
STEEL FEED: Coil from Hot Strip Mill  
MANUFACTURED DATE: 05-04-2021

CHEMICAL COMPOSITION (% of Elements by Mass)												
SGS Test Report Number	Heat Number	SGS Test Laboratory CNAS Accreditation Number	Analysis Type	C	P	Mn	Si	S	Ni	Cr	Mo	Cu
DLIN2103000612ML	AGRI7021AD1202	L3437	L	0.060	0.014	1.300	0.030	0.005	0.010	0.020	< 0.010	0.010

CHEMICAL COMPOSITION (% of Elements by Mass)												
SGS Test Report Number	Heat Number	SGS Test Laboratory CNAS Accreditation Number	Analysis Type	Al (t) min = 0.02 max = 0.10	B	Ti	Nb	V	CE	CF2	CF3	
DLIN2103000612ML	AGRI7021AD1202	L3437	L	0.034	0.0003	0.020	0.010	< 0.010	< 0.286	< 0.040	0.065	

Notes: Chemical Composition

Test Laboratory: SGS-CSTC Standards Technical Services Co., Ltd., Dalian Branch Analysis Type: Ladle and Cast Analysis (L); Product Analysis (P)  
CE = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15 CF2 = Nb+V+Ti CF3 = Si+2.5P

MECHANICAL PROPERTIES											
SGS Test Report Number	Heat Number	SGS Test Laboratory CNAS Accreditation Number	Test Type	Test Category	Yield (Mpa)	Tensile (Mpa)	Elongation (%)	Impact Testing (Joules)			
								Test 1	Test 2	Test 3	Average
DLIN2104000653ML	AGR17021AD1202	L3437	LSA	B	445	470	31	Only for hollow sections, flats, angles, and channels with nominal gauge ≥ 6mm			

Notes: Tensile Test

Test Laboratory: SGS-CSTC Standards Technical Services Co., Ltd., Dalian Branch

Test Type: LSA = Longitudinal strip specimen tested in the artificially aged condition

Test Category - B = Batch; S = Statistical Sampling

Gauge Length Method - E =  $5.65\sqrt{S_0}$

All Tensile properties are determined using samples from production personnel and tested in accordance with AS 1391:2007 and Amendment 1:2012

Notes: Impact Test

Test Laboratory: SGS-CSTC Standards Technical Services Co., Ltd., Dalian Branch

All Impact properties on gauges  $\geq 6$ mm are determined using samples from production personnel and tested in accordance with AS 1544.2:2003 at 0°

For products complying to AS/NZS1163:2016 with a nominal thickness  $< 6.0$ mm L0 properties have been derived as per Clause 9.4.2.3

#### MANAGEMENT SYSTEM CERTIFICATION:

Dalian Steelforce Hi-Tech Co.,Ltd. has the following management system certificates:-

Standard	Certificate Number	Expiry Date	Certification Body
ISO 9001:2015	FM 641461	29/11/2021	British Standards Institution (BSI)
ISO 14001:2015	EMS 641462	29/11/2021	British Standards Institution (BSI)
ISO 45001:2018	OHS 641463	29/11/2021	British Standards Institution (BSI)

#### JAS-ANZ ACCREDITED CONFORMANCE ASSESSMENT BODY:

Steelforce Australia Pty Ltd has the following product certification for it's Dalian Steelforce Hi-Tech Co.,Ltd. manufacturing facility:-

Standard	Certificate Number	Expiry Date	Certification Scheme	Certification Body
AS/NZS1163:2016	BMP 680293	20/09/2022	BSI Benchmark Product Certification	British Standards Institution (BSI)

Australian Tube Mills has the following certification for product manufactured under exclusive agreement by Dalian Steelforce Hi-Tech Co.,Ltd.:-

Standard	Certificate Number	Expiry Date	Certification Scheme	Certification Body
AS/NZS1163	191003	31/12/2021	ACRS Product Certification	Australasian Certification Authority for Reinforcing and Structural Steels

Dalian Steelforce Hi-Tech Co.,Ltd. confirms that the information included in this Test Certificate agrees with the records of Dalian Steelforce Hi-Tech Co., Ltd.  
and the product supplied conforms to the requirements of the Standard.

Authorized Signatory:

Gary Chen

Title: Quality Manager