



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

TEST CERTIFICATE NUMBER 2020-10-19AGRI6520ND5777
DATE PRINTED 20-11-2020
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CUSTOMER HJ ASMUS WELLINGTON

CUSTOMER REFERENCE 102868

CUSTOMER ITEM NUMBER

PRODUCT DESCRIPTION

PRODUCT: 100NBx4.5mm MED/6.5m Pipe
FINISH: NOPC
MATERIAL: Steel Tubes & Tubulars for Ordinary Service
SPECIFICATION: AS 1074
GRADE: C250
STEELMAKING: Basic Oxygen, Continuously Cast, Fine Grained, Fully Killed
STEEL FEED: Coil from Hot Strip Mill
MANUFACTURED DATE: 19-10-2020

CHEMICAL COMPOSITION (% of Elements by Mass)												
SGS Test Report Number	Heat Number	SGS Test Laboratory Accreditation Number	Analysis Type	C	P	Mn	Si	S	Ni	Cr	Mo	Cu
DLIN2010002373ML	AGRI6520ND5777	L3437	L	0.090	0.016	0.35	0.010	0.006	0.010	0.010	< 0.010	0.020

CHEMICAL COMPOSITION (% of Elements by Mass)												
SGS Test Report Number	Heat Number	SGS Test Laboratory Accreditation Number	Analysis Type	Al (t) min = 0.02 max = 0.10	B	Nb	V	CE	CF2	CF3		
DLIN2010002373ML	AGRI6520ND5777	L3437	L	0.035	0.0003	0.010	< 0.010	< 0.010	0.148		0.050	

Notes: Chemical Composition

Test Laboratory: SGS-CSTC Standards Technical Services Co., Ltd., Dalian Branch
Analysis Type: L = Ladle and Cast Analysis (L); Product Analysis (P)
CE = C+Mn/6
CF3 = Si+2.5P

MECHANICAL PROPERTIES												
SGS Test Report Number	Heat Number	SGS Test Laboratory Accreditation Number	Test Type	Test Category	Yield (MPa)	Tensile (MPa)	Elongation (%)	Impact Testing (Joules)				
								Test 1	Test 2	Test 3	Average	
DLIN2010002370ML	AGRI6520ND5777	L3437	LSA	B	355	410	33					

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
Gauge Length Method - E = 5.65xSQRT(So)
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 ≥ 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 < 6.0mm LO properties are derived as per Clause 9.4.2.3

Dalian Brollo Steel Tubes Co.,Ltd. has the following management system certification -												
Standard	Certificate Number	Expiry Date	Certification Body									
ISO 9001:2015	01018Q10259R2M	03/08/2021	Northeast Audit Co.,Ltd. (NAC)									

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