

TEST CERTIFICATE

GDTI: 9316266000014105707

Page 1 of 2 Certificate No.: 105707 Transmission Date: 12/03/21

Customer: H J ASMUSS AND CO LTD

PO BOX 14-441

AUCKLAND

TAURANGA CD WELLINGTONTAURANGA,

INFRABUILD STEEL Supplier:

SYDNEY, N.S.W. AUSTRALIA

A.B.N. 42 004 651 325

Sales Order No: Z1216 Printed on: 12/03/2021



Ship To:

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Chemical results as identified are from InfraBuild Steel NSW 2482

Approved Signatory - A. Prasad

Mechanical results as identified are from InfraBuild Steel NSW 0279

Approved Signatory - G. Irani

STEELMAKING:

Electric Arc - Billet Cast

INSPECTION: Supplier CERTIFICATION: Supplier

ITEMS COVERED BY THIS TEST CERTIFICATE

Item	Heat	Customer	Section	Grade
No	No	Order		
0123X	760467	110867	50MM X 12MM S.E. FLAT	300PLUS (AS/NZS 3679.1-300)

CHEMICAL ANALYSIS

Percentage of element by mass

(L=Cast, P=Product, -S=Soluble, -T=Total, CF=Chemical Formula, n=Min, x=Max)

Element	Carbon (C)	Phosphorus (P)	Manganese (Mn)	Silicon (Si)	Sulfur (S)	Nickel (Ni)	Chromium (Cr)	Molybdenum (Mo)
Percentage (%)	0.20	0.012	11	32	55	99	0.068	0.01
Element	Aluminium (Al-T)	Niobium (Nb)	Titanium (Ti)	Boron (B)	Vanadium (V)	CF1	Copper (Cu)	
Percentage (%)	0.001	0.001	0.001	0.0003	0.003	8	0.22	

CF1=C + MN/6 + (CR + MO + V)/5 + (NI + CU)/15

MECHANICAL TESTING

Tensile AS 1391

Item	Heat	NATA	Cat	YS	UTS	Lo	ELONGN
No	No	Lab		MPa	MPa		%
0123X	760467	0279	В	345	500	Α	30
0123X	760467	0279	В	355	500	Α	31

Yield Strength - determined in accordance with requirements of nominated product standard TEST CATEGORY (Cat) B=Batch

GAUGE LENGTH (Lo) A = 5.65 * square root of the original cross-sectional area of the test piece

BUNDLES

Item	Heat	Bundles
No	No	
0123X	760467	RM3642066

COMMENTS

INFRABUILD STEEL SYDNEY IS QUALITY ENDORSED TO ISO 9001 UNDER SAI GLOBAL. CERTIFICATE NO: QEC2212. LAB 2482 - THE METHODS OF SAMPLING AND CHEMICAL ANALYSIS ARE CARRIED OUT IN ACCORDANCE TO IN-HOUSE PROCEDURES SWP/NQ779 & SWP.CCM.004; LAB 0279 - SAMPLING CONDUCTED IN ACCORDANCE TO IN-HOUSE PROCEDURE SWP/MT11. MECHANICAL TESTING CONDUCTED IN ACCORDANCE TO THE REFERENCED STANDARD.

To view Measurement Uncertainty click here