

TEST CERTIFICATE



Page 1 of 3 GDTI: 931626600001480049997

Certificate No.: 80049997 Transmission Date: 28/05/2021

Delivery No. 80049997

Customer: 10000558

HJ ASMUSS & CO AUCKLAND

GABADOR PLACE 1060 AUCKLAND

HJ ASMUSS & CO AUCKLAND

Ship To: GABADOR PLACE

1060 AUCKLAND

Supplier: InfraBuild Newcastle Pty

A.B.N: 50623285718

NATA	Accredited for compliance with ISO/IEC 17025 - Testing.
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WORLD RECOGNISED ACCREDITATION	

Accreditation no.:	Name	Authorized Signatories
Chemistry Lab:2482	InfraBuild Steel NSW	A. Prasad
Mechanical Lab:0279	InfraBuild Steel NSW	G. Irani

SPEC. & PROD. DETAILS COVERED BY THIS TEST CERTIFICATE FOR SALES ORDER: 37413

Item No.	Heat No.	Steel Making	Customer Order	Material Description and Specification
000100	1300761901	EAF	113281	300PLUS (AS/NZS 3679.1-300) 6.00M GTIN: 99316266001007 25MM X 5MM SQUARE EDGE FLAT
001300	1300762215	EAF	113281	300PLUS (AS/NZS 3679.1-300) 6.00M GTIN: 99316266000536 100MM X 12MM SQUARE EDGE FLAT
001500	1300762122	EAF	113281	300PLUS (AS/NZS 3679.1-300) 6.00M GTIN: 99316266000697 150MM X 10MM SQUARE EDGE FLAT

Cast EAF - "Electric Arc -Billet Cast", BOB - "Basic Oxygen -Billet Cast" BOS - "Basic Oxygen -Slab Cast"

CHEMICAL ANALYSIS

Percentage of element by mass

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

ItemNo	HeatNo	NATA Lab	L/P	С	Р	Mn	Si	s	Ni	Cr	Мо	Cu	Al	В	Nb	Ti	٧	CF1	
000100	1300761901	2482	L	0.21	0.013	0.71	0.197	0.028	0.061	0.14	0.011	0.21	0.001	0.0004	0.001	0.001	0.002	0.38	
001300	1300762215	2482	L	0.21	0.014	0.82	0.22	0.031	0.083	0.14	0.018	0.20	0.001	0.0004	0.001	0.001	0.003	0.40	
001500	1300762122	2482	L	0.19	0.013	0.81	0.20	0.023	0.061	0.16	0.010	0.21	0.001	0.0002	0.001	0.001	0.003	0.38	

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

MECHANICAL TESTING

Tensi	le /	AS/N	IZS 1	1391
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ItemNo	HeatNo	NATA Lab	Cat	YS MPa	UTS MPa	GL	EL%					
000100	1300761901	0279	В	380	520	A	33					



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Page 2 of 3 GDTI: 931626600001480049997

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000100	1300761901	0279	В	385	530	А	38					
001300	1300762215	0279	В	340	520	А	34					
001500	1300762122	0279	В	335	510	А	33					
001500	1300762122	0279	В	340	520	А	33					

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 No.	GTIN	Heat No.	Bundles
000100	99316266001007	1300761901	1303687291
001300	99316266000536	1300762215	1303696738,1303696739
001500	99316266000697	1300762122	1303695939,1303695940

COMMENTS

INFRABUILD STEEL SYDNEY IS QUALITY ENDORSED TO ISO 9001 UNDER SAI GLOBAL. CERTIFICATE NO: QEC2212.

LAB 0279 - SAMPLING CONDUCTED IN ACCORDANCE TO IN-HOUSE PROCEDURE SWP/MT11. MECHANICAL TESTING CONDUCTED IN ACCORDANCE TO THE REFERENCED STANDARD.

LAB 2482 - THE METHODS OF SAMPLING AND CHEMICAL ANALYSIS ARE CARRIED OUT IN ACCORDANCE TO IN-HOUSE PROCEDURES SWP/NQ779 & SWP.CCM.004;

To view Measurement Uncertainty https://www.infrabuild.com/en-au/resource-centre/resources/measurement-uncertainty/







Page 3 of 3 GDTI: 931626600001480049997

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I certify the conformance of the material to the specification (unless noted otherwise) and that the information on this certificate is in accordance with the records of the company.

S. Armitage -Quality Services Superintendent

Certified True copy

May 28, 2021