

TEST CERTIFICATE



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Certificate No. : L25191
Transmission Date: 06/04/23

Cust Order No: 115377 Ship To: HOUSTON	Sales Order No: X3280 Printed At: Supplier MWS on: 11/04/2023
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Accredited for compliance with ISO/IEC 17025 - Testing.	I certify that the original records of the company show that the item(s) referred to on this certificate conform to the specification as stated. I.ZAFAR - BLUESCOPE STEEL APPROVED SIGNATORY Mechanical LAB 0631 M.GATRICK - BLUESCOPE STEEL APPROVED SIGNATORY Chemical LAB 0632
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STEELMAKING: Basic Oxygen - Slab Cast INSPECTION: Supplier
SPECIFICATION: ASTM A36/A709-36/ASMESA36 CERTIFICATION: EN10204 3.1
PRODUCT: XLERPLATE PRODUCT MELTED AND POURED IN AUSTRALIA

CHEMICAL ANALYSIS

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

Item No	Heat / Unit No	NATA Lab	L/P	C	P	Mn	Si	S	Ni	Cr	Mo	Cu	Al-T
0104	6882148	0632	L	.139	.020	1.06	.18	.013	.015	.045	.004	.058	.030
0104	6882997	0632	L	.145	.016	1.09	.19	.012	.016	.034	.004	.046	.038
0105	6877899	0632	L	.141	.017	1.06	.18	.007	.014	.041	.003	.054	.031
0105	6877919	0632	L	.145	.016	1.06	.18	.008	.022	.050	.006	.058	.033
0105	6882729	0632	L	.132	.019	1.05	.17	.014	.013	.038	.007	.051	.036
0106	6882149	0632	L	.139	.020	1.06	.18	.013	.015	.045	.004	.058	.030
0106	6882189	0632	L	.148	.016	1.14	.20	.011	.016	.041	.003	.049	.029

Item No	Heat / Unit No	NATA Lab	L/P	Ti	N	Nb	Sn	V
0104	6882148	0632	L	.016	.0024	.001	.003	<.003
0104	6882997	0632	L	.016	.0023	.001	.004	<.003
0105	6877899	0632	L	.015	.0019	.001	.004	<.003
0105	6877919	0632	L	.016	.0025	.001	.004	<.003
0105	6882729	0632	L	.017	.0035	.001	.004	.003
0106	6882149	0632	L	.016	.0024	.001	.003	<.003
0106	6882189	0632	L	.017	.0026	.001	.004	<.003

SSW135934

PL062

MECHANICAL TESTING

Tensile ASTM A370

Item No	Heat No	Tested Unit	NATA Lab	Cat	Loc	THICK mm	Yield Strength ksi	Tensile Strength ksi	Lo mm	ELONGN %
0105	6877899	AZ415	0631	B	TEF	31.75	44	66	203.2	32
0105	6877899	AZ416	0631	B	TEF	31.75	44	66	203.2	31
0105	6877919	AZ412	0631	P	TEF	31.75	44	66	203.2	31
0104	6882148	BA969	0631	B	TEF	15.88	41	65	203.2	31
0104	6882148	BA970	0631	B	TEF	15.88	42	65	203.2	27
0106	6882149	BA957	0631	B	TEF	12.70	45	67	203.2	27
0106	6882149	BA958	0631	B	TEF	12.70	45	67	203.2	27
0106	6882189	BA953	0631	B	TEF	12.70	47	68	203.2	28
0106	6882189	BA955	0631	B	TEF	12.70	45	69	203.2	26
0106	6882729	BC480	0631	B	TEF	25.40	44	66	203.2	29
0105	6882729	BC481	0631	B	TEF	25.40	44	66	203.2	30
0104	6882997	BC134	0631	B	TEF	15.88	47	69	203.2	27
0104	6882997	BC135	0631	B	TEF	15.88	48	69	203.2	29

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ITEMS COVERED BY THIS CERTIFICATE

Item No	Heat No	Ordered Dimensions (inch)	No of Units	Mass (Tonnes)	Unit Identities
0104	6882148	96.00X0.8250X240	3	5.559	BA972A2 BA972B1 BA972B2
0104	6882997	96.00X0.6250X240	1	1.853	BC129A1
0105	6877899	96.00X1.25X240	1	3.704	AZ415A1
0105	6877919	96.00X1.25X240	1	3.704	AZ412A1
0105	6882729	96.00X1.25X240	26	96.304	BC518A2 BC519A2 BC520A1 BC520A2 BC521A2 BC522A1 BC522A2 BC523A1 BC523A2 BC524A1 BC524A2 BC525A1 BC525A2 BC526A1 BC526A2 BC527A1 BC527A2 BC528A1 BC528A2 BC529A2 BC530A1 BC530A2 BC531A1 BC531A2 BC532A1 BC532A2
0106	6882149	96.00X0.5000X360	20	44.460	BA956A1 BA956A2 BA956B1 BA957A1 BA957A2 BA957B1 BA958A1 BA958A2 BA959A1 BA959A2 BA959B1 BA960A1 BA960A2 BA960B1 BA961A1 BA961A2 BA961B1 BA962A1 BA962A2 BA962B1
0106	6882189	96.00X0.5000X360	1	2.223	BA954B1

COMMENTS

This test certificate is issued subject to the Uncertainty of Results statement set out on BlueScope Steel's Website www.bluescopesteelconnect.com. In order to rely upon this certificate, you must read the Uncertainty of Results statement. ALUMINIUM ADDITION USED IN THE MANUFACTURE OF THIS STEEL FOR THE PRODUCTION OF A FULLY KILLED, FINE GRAINED STEEL THIS PRODUCT CONFORMS TO THE REQ'TS OF ASTM A 36 (19), ASTM A 709 (21) AND ASME SA 36 COMMODITY: "HOT ROLLED CARBON STEEL PLATE". SAMPLING AND CHEMICAL ANALYSIS ARE PERFORMED IN ACCORDANCE WITH BLUESCOPE STEEL PROCEDURE DH-LABS-QS-00 S05.07C. MECHANICAL TESTING HAS BEEN PERFORMED ON SAMPLES SUPPLIED BY THE RELEVANT PRODUCTION DEPARTMENTS. HEAT TREATMENT - PRODUCT AS ROLLED.
Quality management system conforms to AS/NZS ISO 9001 as assessed by BSI (Certificate Number FS 594448).

MECHANICAL COMMENTS

TEST PIECE LOCATION (LOC) TEF=Transverse Edge Front End
TEST CATEGORY (CAT) P=Pattern B=Batch