



GUIDE TO USING TEST CERTIFICATES

TEST CERTIFICATE

Customer: ABC Company WETHERILL PARK NSW 2164
Customer Order No: H1234

Supplier: BLUESCOPE STEEL (AIS) PTY LTD PORT KEMBLA, N.S.W., AUSTRALIA. A.B.N. 19 000 019 625
Sales Order No: B2930
Printed At: Supplier MWS on: 01/01/2013

Accredited for compliance with ISO/IEC 17025.

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.

K.BAZLEY - APPROVED SIGNATORY Mechanical LAB 0631
K.ANNETT - APPROVED SIGNATORY Chemical LAB 0632

INSPECTION: Supplier
CERTIFICATION: Supplier

STEELMAKING: Basic Oxygen - Slab Cast
SPECIFICATION: AS/NZS 3678-250
PRODUCT: XLERPLATE

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
5414	6308689	0632	L	.163	.016	.65	.15	.015	.013	.019	.002	.029	.030
5414	7319109	0632	L	.147	.020	.67	.13	.010	.010	.019	.003	.017	.030

Item No	Heat / Unit No	NATA Lab	L/P	Ti	B-T	Nb	V	CF1	CF2	CF3
5414	6308689	0632	L	<.002	<.0003	.001	<.003	.28	.06	.00
5414	7319109	0632	L	<.002	<.0003	.001	<.003	.26	.05	.00

CF1=C+(MN/6) + ((CR+MO+V)/5) + ((CU+NI)/15) CF2=NI + CR + CU + MO CF3=NB + V

MECHANICAL TESTING
Tensile AS1391

Item No	Heat No	Tested Unit	NATA Lab	Cat	Loc	THICK mm	ReH MPa	Rm MPa	Lo	ELONGN %
5414	6308689	FM250	0631	B	TQF	6.00	410	480	A	35
5414	6308689	FN392	0631	B	TQF	6.00	405	480	A	29
5414	7319109	FX232	0631	B	TQF	6.00	415	490	A	34
5414	7319109	HC817	0631	B	TQF	6.00	425	490	A	25

ITEMS COVERED BY THIS CERTIFICATE

Item No	Heat No	Ordered Dimensions (mm)	No of Units	Mass (Tonnes)	Unit Identities
5414	6308689	3200.0X6.00X12000	5	9.045	HC818A1 HC818B1 HC819B1 HC820A1 HC820B1
5414	7319109	3200.0X6.00X12000	2	3.618	HC816A1 HC817B1

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. THIS PRODUCT IS SUPPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 3678:2011 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.

MECHANICAL COMMENTS
TEST PIECE LOCATION (LOC) TQF=Transverse Quarter Front End
TEST CATEGORY (CAT) B=Batch
GAUGE LENGTH (Lo) A=5.65 * square root of the original cross-sectional area of the test piece.

Test Certificates

BlueScope Steel is Australia's only manufacturer of flat steel and has a long history of supplying quality products that meet or exceed Australian Standards at its ISO:9001 accredited manufacturing facilities.

Compliance is a key issue in the Australian construction market, and test certificates allow you to check for compliance.

The test certificate is an important reference document that reports on all elements relating to the applicable Australian Standard. Compliance to the applicable Australian Standard is vital as it gives the specifier and purchaser confidence that the material obtained will perform as intended in the design and use phases of a project. In addition test certificates provide evidence of material identification and origin. Knowing the mill is BlueScope Steel will provide peace of mind that the product is compliant with the applicable Standard.

BlueScope Steel's products are tested via NATA (National Association of Testing Authorities) accredited agencies. NATA is a member of an internationally accepted system that recognizes the competence of testing and calibration laboratories that assures the quality of test data internationally.

NATA accredited test certificates are provided with each BlueScope Steel order and are kept on file. Certificates dating back to 1993 are available online for uncoated steel, and 1998 for coated steel.

When you specify BlueScope Steel you can be 100% confident it's 100% compliant with the applicable Australian Standard.

This is the hallmark of testing quality. It confirms that your steel has been tested at a NATA approved laboratory.

This confirms details of the original customer for whom the tests were carried out.

Here you'll find the sales order number and supplier (BlueScope Steel) details.

Material specifications including grade designation and product type are recorded here.

National Association of Testing Authorities (NATA) registration number

These are the results of mechanical tests. They explain the steel's characteristics. If applicable, compliance to the relevant Ultrasonic Standard will be noted. When batch testing occurs, you may not receive the actual product tested.

Heat numbers are located here. There are approx. 250 tonnes in a heat.

The heat and unit identity information is recorded here and states the ordered dimensions of the steel and identifies the specific product delivered and referred to in the Test Certificate.

Look here for the specifics of the tests conducted. The testing frequency, location of the tested piece, the test category involved and the gauge length used, are recorded here.

This information provides an important general understanding of the testing process and its limitations. It should be read in conjunction with the Uncertainty of Results statement you'll find on the BlueScope Steel Connect website.

Test Certificate Number

Inspection and Certification level

Tables recording the chemical analysis.

Results of cast/ladle or product chemistry tests and any results of special calculations such as carbon equivalency.

ReH refers to the yield strength

Rm refers to the tensile strength

Lo refers to gauge length.

The serial number is the unique plate identity

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Certificate No.: T14147
Transmission Date: 03/10/12

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