



Product Test Certificate

15035

29/04/2015

Number

Date

Line	Pack NoNo included		RHS/SHS/CHS Nominal Size (mm)				Specification	Grade	Steel Supplier	Testing Authority/ NATA (ILAC) No			Steelmaking process
	From	To	d /do	b	t	L				Tensile	Impact	Chemical	
1	15112M10078	15112M10089	75	75	2	Any	AS/NZS 1163	C350 L0	Bengang Steel	MTL/17219		Bengang Ste	BO,CC
2	15112M10090	15112M10101	75	75	3	Any	AS/NZS 1163	C350 L0	Bengang Steel	MTL/17219		Bengang Ste	BO,CC
3	15112M10102	15112M10107	75	75	4	Any	AS/NZS 1163	C350 L0	Bengang Steel	MTL/17219		Bengang Ste	BO,CC
4	15112M10108	15113M10005	75	75	4	Any	AS/NZS 1163	C350 L0	BSL	MTL/17219		BSL/632	BO,CC +note 9
5	15113M10007	15113M10015	75	75	5	Any	AS/NZS 1163	C350 L0	BSL	MTL/17219		BSL/632	BO,CC +note 9
6	15113M10016	15113M10019	75	75	5	Any	AS/NZS 1163	C350 L0	Bengang Steel	MTL/17219		Bengang Ste	BO,CC

Line	STEEL CHEMICAL ANALYSES (%)-As supplied by Steelmaker ("L")																MECHANICAL TEST RESULTS (Orientation-"L")									
	HEAT No	C	P	Mn	Si	S	Ni	Cr	Mo	Cu	Al	Ti	Nb	V	B	CE	SiE	Testing Report No- Sample ID	Condition	Tensile test			Impact test at 0°C			
		x100															YS			TS	E	1	2	3	Ave	
1	1428976	14.0	1.7	71.0	1.6	0.4	0.4	3.4	0.1	0.4	3.8	1.9	0.1	0.0	0.12	27	6	T2886-3183	A	424	520	35				
2	1427816	15.0	1.0	77.0	3.0	0.5	0.8	2.8	0.4	0.8	3.7	2.2	0.1	0.0	0.15	29	6	T2886-3184	A	426	534	29				
3	1428400	15.0	0.9	72.0	2.2	0.2	0.6	2.5	0.2	1.1	3.7	1.8	0.1	0.0	0.09	28	4	T2886-3185	A	473	553	29				
4	6417999	13.6	1.5	100.0	1.2	1.1	2.6	2.6	0.4	3.5	3.3	0.2	1.4	0.3		31	5	T2886-3186	A	479	548	30				
5	7436659	14.1	1.5	100.0	0.7	1.3	2.2	2.5	0.2	3.6	3.6	0.2	1.5	0.3		32	4	T2886-3187	A	468	553	25				
6	1427819	13.0	1.2	73.0	2.2	0.6	0.6	3.8	0.4	0.9	3.1	2.1	0.1	0.0	0.12	26	5	T2886-3188	A	415	495	32				

Notes: 1) CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15; 2) SiE=Si+2.5P; 3) Gauge Length for E= 5.65vSo; 4) Impact test piece thickness is 5 mm; 5) For t less than 6 mm L0 properties derived as per Cl 10.6.2.2 of AS/NZS 1163; 6) Data in the table refers to the samples representative for each line; 7) BSL=BlueScope Steel; YPE=Yien Phui Enterprise CO., LTD; BO,SC= Basic Oxygen,Continuous (Slab) Casting; ALS=Australian Laboratory Services Industrial; 8) The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length; 9) Information provided by BSL " STEEL FEED: IN ACCORDANCE WITH CLAUSES 6 AND 10.6.2.2 OF AS/NZS 1163:2009 THESE COILS WERE PRODUCED FROM ALUMINIUM FULLY KILLED, FINE GRAINED STEEL AND ALUMINIUM HAS BEEN USED AS THE GRAIN REFINING ELEMENT".

