

ORIGINAL

MILL TEST CERTIFICATE



DX DONGKUK STEEL

L/C No.	: LMP40466851107	Supplier	: GILSENG TRADING CO.,LTD.	Certificate No.	: DP3-2-201224-031-003
PO No.	: RCM 17662	Customer	: RC MACDONALD LTD	Date of issue	: Dec. 24, 2020
Commodity	: HOT ROLLED STEEL PLATE				
Specification	: AS/NZS 3678 G350 L15				

Dimension Unit inch: ". mm: Space	Product No	Quantit y	Weight kg	Heat No	Tensile Test				Impact Test				D i v i s i o n	Chemical Composition(%)								Remarks
					GL	YP	TS	EL	T T P	S u b	V Notch			C	Si	Mn	P	S	Cr	Ni	Cu	
						N/mm ²	%	J														
10.00*2000*4000 *Specimen No:DP09875006-a. DP09875006-c	B093906-01.02.03.04.05. 06.07.08.09.10.11.12		628	Tk436269	1	401	551	26	1	1	-15 ° C	1:187 2:129 3:115 A:144	L	0.15	0.37	1.43	0.016	0.003	0.02	0.01	0.01	
	Sub Total (20)	12	7.536																			
10.00*2000*4000 *Specimen No:DP09834238-a. DP09834238-c	B094120-01.05		628	Tk538684	1	453	573	23	1	1	-15 ° C	1:192 2:201 3:186 A:193	L	0.14	0.31	1.5	0.017	0.002	0.01	0.01	0.01	
	Sub Total (20)	2	1.256																			
10.00*2000*4000 *Specimen No:DP09876813-a DP09876813-c	B094933-02.03.04		628	Tk628315	1	391	548	23	1	1	-15 ° C	1:124 2:110 3:121 A:118	L	0.16	0.37	1.4	0.022	0.007	0.01	0.01	0.01	
	Sub Total (20)	3	1.884																			
16.00*2200*6096 *Specimen No:DP09872610-a. DP09872610-c	B093911-01.02.03.04.05. 06.07.08		1.684	TFD9085	1	388	529	29	1		-15 ° C	1:274 2:274 3:239 A:262	L	0.17	0.37	1.44	0.014	0.004	0.04	0.01	0.01	
	Sub Total (30)	8	13.472																			

* Tensile Test Direction-Transverse
* Impact Test Direction-Longitudinal-TOP
* CEV = C+Mn/6+(Ni+Cu)/15+(Cr+Mo+V)/5
* Supply Condition - As Rolled

We hereby certify that the material herein has been made by Basic oxygen process (Fully killed steel, Fine grain practice)and tested in accordance with the above specification and also with the requirements called for by the above order. * Inspection documents : According to EN 10204 Type 3.1.

* Specimen No. : a-Tension, c-Impact
* Division : L-Ladle Analysis, P-Product Analysis
* Sub(Sub Size, Real Value, mm) : Blank-Full Size, 1-7.5*10, 2-5.0*10
* GL(Gauge Length, mm) : 1-200(Rec.), 3-80(Rec.), 5-50(Round), 6-5.65√S(Converted/Rec.), 10-50(Rec.)
* T(S),Al : Total(Soluble) Al *Tr : Trace
* NRL Result : G-No Break, B-Break
* TTP(Through Thickness Position) : 1-Surface, 2-1/4T, 3-1/2T

When using the ordered product for other uses, rather than the above specification use, product damage and safety accidents may be caused.

원본검증 방법 : 동국제강 홈페이지 접속(www.dongkuk.com) → BUSINESS 클릭(홈페이지 우측상단) → 고객센터 선택 → 검사증명서 원본검증 클릭(회원가입 상단) → 정보입력후 검색
QR Code 이용 방법 : Google Play 'QReal' 검색 후 다운/실행 → QR Code 스캔 / IOS : App Store 'QReal' 검색 후 다운/실행 → QR Code 스캔

Surveyor to	Surveyor to	Surveyor to	Surveyor to	Chief of Quality Control Team / J.W.Lee
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Dangjin Works, 25, Godaegongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do, Republic of Korea/Quality Control Team, TEL. 041-351-4634



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PO No. : RCM 17662

Commodity : HOT ROLLED STEEL PLATE

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Customer : RC MACDONALD LTD

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DP3-2-201224-031-003

Date of issue

: Dec. 24, 2020

Dimension Unit inch: ". mm: Space	Product No	Quantit y	Weight kg	Chemical Composition(%)							Remarks
				Mo	Nb	Ti	V	T.Al	S.Al	Ceq	
10.00*2000*4000 *Specimen No:DP09875006-a. DP09875006-c	B093906-01.02.03.04.05. 06.07.08.09.10.11.12		628	0.011	0.002	0.002	0.001		0.03	0.396	
	Sub Total (20)	12	7.536								
10.00*2000*4000 *Specimen No:DP09834238-a. DP09834238-c	B094120-01.05		628	0.003	0.019	0.015	0.003	0.036	0.035	0.395	
	Sub Total (20)	2	1.256								
10.00*2000*4000 *Specimen No:DP09876813-a. DP09876813-c	B094933-02.03.04		628	0.005	0.002	0.001	0.002		0.04	0.398	
	Sub Total (20)	3	1.884								
16.00*2200*6096 *Specimen No:DP09872610-a. DP09872610-c	B093911-01.02.03.04.05. 06.07.08		1.684	0	0	0.002	0.001	0.047	0.045	0.418	
	Sub Total (30)	8	13.472								

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[Signature]

Surveyor to Surveyor to Surveyor to Surveyor to Chief of Quality Control Team / J.W.Lee

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