

# 검사증명서

## MILL TEST CERTIFICATE



당진제철소 : 충남 당진시 중원읍 북부산업로 1480  
 1480 Daikksanrup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea



주문번호 : F190700141  
 Order No. : F190700141  
 품명 : HOT ROLLED CARBON STEEL PLATE  
 Commodity : HOT ROLLED CARBON STEEL PLATE  
 고객사 : 주문지 : HYUNDAI CORPORATION  
 Customer : 주문지 : HYUNDAI CORPORATION  
 계약사 : 주문지 : HYUNDAI CORPORATION  
 Contractor : 주문지 : HYUNDAI CORPORATION  
 증명서 번호 : 20190731-PS-007-051  
 Certificate No. : 20190731-PS-007-051  
 발행일자 : 2019-07-31  
 Date of Issue : 2019-07-31

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	재간번호 Heat No.	제품번호 Product No.	인장시험 Tensile Test										화학성분 Chemical Composition(%)										단위치 Unit Value						
					YP (N/mm <sup>2</sup> )	TS	EL (%)	YP-EL (%)	RA (%)	YR (%)	YP Mid	C	S	Mn	P	S	Cr	N	Cu	Mo	Nb	Ti	V	Sd -Al	DR						
15.83×2438×6206	1	1.853	R20351	FC11697706	T	313.7	469.7	29						U	L	1.562	169	870	151	60	3	2	2	2	3	3	3	3	3	29	1.819
15.83×2438×6206	1	1.853	R20351	FC11697707	T	313.7	469.7	29						U	L	1.562	171	856	131	50	2	1	20	0	1	2	1	2	1	27	1.819
15.83×2438×6206	1	1.853	R20347	FC11697801	T	298.3	455.5	31						U	L	1.504	171	856	131	50	2	1	20	0	1	2	1	2	1	24	1.772
15.83×2438×6206	1	1.853	R20347	FC11697802	T	298.3	455.5	31						U	L	1.490	166	869	124	55	2	1	21	0	1	2	1	2	1	22	1.772
15.83×2438×6206	1	1.853	R20347	FC11697803	T	298.3	455.5	31						U	L	1.504	176	870	143	59	2	1	22	0	1	2	1	2	1	24	1.772
15.83×2438×6206	1	1.853	R20347	FC11697804	T	298.3	455.5	31						U	L	1.490	166	869	124	55	2	1	21	0	1	2	1	2	1	22	1.772
15.83×2438×6206	1	1.853	R20347	FC11697805	T	298.3	455.5	31						U	L	1.504	176	870	143	59	2	1	21	0	1	2	1	2	1	24	1.772
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15.83×2438×6206	1	1.853	R20347	FC11697805	T	298.3	455.5	31						U	L	1.490	166	869	124	55	2	1	21	0	1	2	1	2	1	22	1.772

Position - T:Top, M:Middle, B:Bottom  
 \* Tensile test - Direction: Transverse, Gauge length: 200mm (Rectangular), YP Mid : 2 (0.2% off-set), 5 (0.5% underload), U (Upper yield point), L (Lower yield point)  
 \* Division - P:Product analysis, L:Ladle analysis

The plate is fully killed and fine grained steel. Basic oxygen process and Vacuum degassing process were applied. \* This Mill Test Certificate is issued in accordance with EN 10204 Type 3.1

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND THE REQUIREMENTS

상기의 제품은 원시의 결과 지정된 규격에 합격한 것을 증명합니다.  
 This material has been made and tested in accordance with the above specification and the requirements.

Original Quality Assurance Team

Signature  
**S. B. Park**

\* 본 검사증명서는 원본인 전자문서(전자서명) 또는 종이문서로 출력된 사본입니다. 전자문서의 내용은 원본과 동일함을 증명합니다. (http://smhyundai-steel.com/cs/cm/login.jsp)  
 \* This Mill Test Certificate is a copy that has been printed from original electronic document with digital signing. (http://smhyundai-steel.com/cs/cm/login.jsp)  
 \* You can check Certificate document of your steel's customer portal (http://smhyundai-steel.com/cs/cm/login.jsp) \* QRcode scanner App : QRreal  
 \* [인증서 확인]은 본 검사증명서와 일치하는 QRcode를 스캔하여 확인할 수 있습니다.  
 \* [Caution for this] Please do not produce and certify products and services that are other than the spec stated in this Mill Test Certificate.