

# 검사증명서

## MILL TEST CERTIFICATE



본진제철소 : 중부 음진시 중각읍 북부산업로 1480  
1480 Bukbussanup-ro, Songak-Eup, Dangjin-Si, Chungnam, Korea



주문번호  
Order No. : F190700141

품명  
Commodity : HOT ROLLED CARBON STEEL PLATE

제품규격  
Specification : ASTM A36

고객사  
Customer : HYUNDAI CORPORATION

주문자  
Contractor : HYUNDAI CORPORATION

증명서 번호  
Certificate No. : 20190830-PS-052-004

발행일자  
Date of Issue : 2019-08-30

제품번호 Diameter	수량 Quantity	중량 Weight (kg)	재질번호 Heat No.	제품번호 Product No.	인장시험 Tensile Test						화학성분 Chemical Composition(%)										단위 Unit								
					YP (N/cm <sup>2</sup> )	TS (%)	EL (%)	YP-EL (%)	RA (%)	YR (%)	YP Mid	D 30	C	S	Mn	P	S	Cr	Ni	Cu	Mb	Nb	Ti	V	S <sub>4</sub> -SI	DR			
50.8 x 1829 x 6036	1	4,447	R20433	FCH1775901	T	289.5	498.6	34						2	L	1,745	255	1,047	144	54	3	1	23	0	1	2	1	41	2,094
50.8 x 1829 x 6036	1	4,447	R20433	FCH1775902	T	289.5	498.6	34						2	L	1,745	255	1,047	144	54	3	1	23	0	1	2	1	41	2,094
50.8 x 1829 x 6036	1	4,447	R20433	FCH1775903	T	289.5	498.6	34						2	L	1,738	251	1,053	135	52	3	1	23	0	1	2	1	41	2,094
50.8 x 1829 x 6036	1	4,447	R20433	FCH1775904	T	289.5	498.6	34						2	L	1,738	251	1,053	135	52	3	1	23	0	1	2	1	41	2,094
50.8 x 1829 x 6036	1	4,447	R20430	FCH1775901	T	272.8	484.3	33						2	L	1,676	252	1,045	120	61	2	1	15	0	1	2	1	32	2,051
50.8 x 1829 x 6036	1	4,447	R20430	FCH1775902	T	272.8	484.3	33						2	L	1,676	252	1,045	120	61	2	1	15	0	1	2	1	32	2,051
50.8 x 1829 x 6036	1	4,447	R20430	FCH1775903	T	272.8	484.3	33						2	L	1,676	252	1,045	120	61	2	1	15	0	1	2	1	32	2,051
50.8 x 1829 x 6036	1	4,447	R20430	FCH1775904	T	272.8	484.3	33						2	L	1,676	252	1,045	120	61	2	1	15	0	1	2	1	32	2,051

Position - T: Top, M: Middle, B: Bottom  
Tensile test - Direction: Transverse, Gauge length: 50mm (Round), YP Mid : 2 (0.2% off-set), S (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

상기의 제품은 검사 결과 지정된 규격에 합격한 것을 증명합니다.  
WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND THE REQUIREMENTS

Signature  
Chief Of Quality Assurance Team  
**S. B. Park**

\* 본 검사증명서: 원본인 전자증명서와 동일 포맷을부터 출력된 사본입니다. 전자문서의 내용은 원본과 동일하게 확인하실 수 있습니다.(http://sm.hyundai-steel.com/cs/com/in.jsp)  
\* This Mill Test Certificate is a copy that has been printed from original electronic document(with digital signing).  
\* You are able to check an original electronic document at Hyundai's customer portal.(http://sm.hyundai-steel.com/cs/com/in.jsp) \* QRcode scanner App : 'QRreal'  
\* [Caution for Use] Damage on products and safety problems may arise if used other than to the spec stated in this Mill Test Certificate.