

# 검사증명서

## MILL TEST CERTIFICATE



당진제철소 : 중부 당진시 중역동 북부산업로 1480  
1480 BUKKUSANMP-RD, SONGSK-EUP, DONGJIN-SI, CHUNGNAM, KOREA



주문번호 : F190700141  
Order No. : F190700141

품명 : HOT ROLLED CARBON STEEL PLATE  
Commodity : HOT ROLLED CARBON STEEL PLATE

제품규격 : ASTM A572-50/709-50  
Specification : ASTM A572-50/709-50

고객사 :   
Customer :   
주문자 :   
Contractor : HYUNDAI CORPORATION

증명서 번호 : 20190830-PS-053-033  
Certificate No. : 20190830-PS-053-033

발행일자 : 2019-08-30  
Date of Issue : 2019-08-30

제품번호 Denotation	수량 Quantity	중량 Weight (Kg)	재간번호 Heat No.	제품번호 Product No.	인장시험 Tensile Test						화학성분 Chemical Composition(%)										단위:Unit 2 : x1000 3 : x1,000 4 : x10,000 5 : x100,000								
					YP (N/mm <sup>2</sup> )	TS (%)	EL (%)	YP-EL (%)	RA (%)	YR (%)	YP Mid	C	S	Mn	P	S	Cr	Ni	Cu	Mb	Nb	Ti	V	Sd -Al					
7.02 x 2438 x 6036	1	924	R21134	FB93154202	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	17	41	
7.02 x 2438 x 6036	1	924	R21134	FB93154203	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	18	37	
7.02 x 2438 x 6036	1	924	R21134	FB93154204	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	18	37	
7.02 x 2438 x 6036	1	924	R21134	FB93154205	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	17	41	
7.02 x 2438 x 6036	1	924	R21134	FB93154206	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	18	37	
7.02 x 2438 x 6036	1	924	R21134	FB93154207	451.9	585.1	23						U	L	1.630	327	1.334	122	28	2	2	11	108	0	18	2	17	41	
7.02 x 2438 x 6036	1	924	R21131	FB93154301	471.8	605.3	21						U	L	1.656	345	1.350	130	27	3	3	10	93	0	18	2	17	43	
7.02 x 2438 x 6036	1	924	R21131	FB93154302	471.8	605.3	21						U	L	1.656	345	1.350	130	27	3	3	10	93	0	18	2	17	43	
7.02 x 2438 x 6036	1	924	R21131	FB93154303	471.8	605.3	21						U	L	1.656	345	1.350	130	27	3	3	10	93	0	18	2	17	43	

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

우리의 제품은 검사의 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: **S. B. Park**  
Chief Of Quality Assurance Team

\* 본 검사증명서는 원본의 사본으로만 유효하며, 출력본은 효력이 없습니다. 전자문서의 내용은 원본과 다를 수 있습니다. (http://sm.hyundai-steel.com/cs/em/ogn.jsp)  
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\* [Caution for Use] Damage on products and safety problems may arise if used other than to the spec stated in this Mill Test Certificate.