

# 검사 증명서

## MILL TEST CERTIFICATE



당진제철소 · 충남 당진시 송악읍 북부신안로 1480  
1480 Bukbusanup-ro, Songak-eup, Dangjin-si, Chungnam, Korea



주문번호 : F200100191  
 Order No. : F200100191  
 품명 : HOT ROLLED STEEL PLATE  
 Commodity : HOT ROLLED STEEL PLATE  
 고객사 : PLESA STEEL  
 Customer : PLESA STEEL  
 제품규격 : ASTM A572-50/A709-50  
 주문자 : HYUNDAI CORPORATION  
 Contractor : HYUNDAI CORPORATION  
 증명서 번호 : 20200401-PS-013-004  
 Certificate No. : 20200401-PS-013-004  
 발행일자 : 2020-04-01  
 Date of Issue : 2020-04-01

제품치수 Dimension	수량 Quantity	중량 Weight (KG)	재간번호 Heat No.	제품번호 Product No.	인장시험 Tensile Test						화합성분 Chemical Composition(%)																
					YS (N/mm <sup>2</sup> )		EL (%)		YR (%)		C		Mn		P		S		Cr		Ni		Cu		Mo		Nb
					YP	TS	EL	YR-EL	FA	YR	YP	Mid	C	S	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sd	-AI	
57.15x1829x6096	1	5.002	R42922	FC19234301	376.0	561.9	28				2		L	1.824	329	1.447	126	19	3	1	20	0	32	13	32	30	
57.15x1829x6096	1	5.002	R42922	FC19234302	376.0	561.9	28				2		P	1.724	337	1.458	113	18	3	1	19	1	31	13	32	30	
													P	1.724	337	1.458	113	18	3	1	19	1	31	13	32	30	

\*\*\* Sub Total(0x2) \*\*\* 2 10.004(KG)  
 \*\*\* Condition of supply : Controlled Rolling (Normalizing Rolling) \*\*\*

Position - T:Top, M:Middle, B:Bottom  
 \* Tensile test - Direction: Transverse, Gauge length: 50mm (Round), 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 검사의 결과 지정된 규격에 합격한 것을 증명합니다.  
 Chief Of Quality Assurance Team  
**S. B. Park**

\* 본 검사증명서는 원본인 전자문서(전자서명 첨부 포함)로부터 출력된 사본입니다. 전자문서의 내용은 원본과 동일하며 고객포털에서 확인하실 수 있습니다. (http://sm.hyundai-steel.com/cs/comp/isp)  
 \* 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/comp/isp) \* QRcode scanner App : 'QReal'  
 \* [사용상 주의사항] 본 검사증명서에 임기된 규격 외 사용시 제품손상 및 안전상 문제가 발생할 수 있습니다.  
 \* [Caution for Use] Damage on products and safety problems may arise if used other than to the same stated in this Mill Test Certificate.