

검사증명서 MILL TEST CERTIFICATE



당진제철소 : 충남 당진시 중이면 북부산업로 1480
1480 Bukksunhp-Ro, Songsk-Eup, Dangjin-Si, Chungnam, Korea



주문번호 : F200100191
Order No. : F200100191
제품명 : HOT ROLLED STEEL PLATE
Commodity : HOT ROLLED STEEL PLATE
제품규격 : ASTM A572-50/A709-50
Specification : ASTM A572-50/A709-50
고객사 : PLESA STEEL
Customer : PLESA STEEL
주문자 : HYUNDAI CORPORATION
Contractor : HYUNDAI CORPORATION
증명서 번호 : 20200402-PS-024-003
Certificate No. : 20200402-PS-024-003
발행일자 : 2020-04-02
Date of Issue : 2020-04-02

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Head No.	제품번호 Product No.	인장시험 Tensile Test						화학성분 Chemical Composition(%)										단위 Unit 2: x100 3: x1,000 4: x10,000 5: x100,000											
					YP (N/mm ²)	TS (%)	EL (%)	Y-EL (%)	RA (%)	YR (%)	YP Mid	YS ²	C	S	Mn	P	S	Cr	N	O ₂	Mo	Nb	Ti	V	Si							
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	419.7	571.1	28								U	L	1.674	357	1.341	137	27	27	3	3	9	76	0	19	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	419.7	571.1	28								U	L	1.769	361	1.332	126	27	27	3	3	9	75	0	18	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	419.7	571.1	28								U	L	1.674	357	1.341	137	27	27	3	3	9	75	0	18	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	405.6	569.0	26								U	L	1.769	361	1.332	126	27	27	3	3	9	76	0	19	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	405.6	569.0	26								U	L	1.674	357	1.341	137	27	27	3	3	9	75	0	18	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	405.6	569.0	26								U	L	1.674	357	1.341	137	27	27	3	3	9	76	0	19	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	405.6	569.0	26								U	L	1.769	361	1.332	126	27	27	3	3	9	75	0	18	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	405.6	569.0	26								U	L	1.674	357	1.341	137	27	27	3	3	9	76	0	19	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	405.6	569.0	26								U	L	1.769	361	1.332	126	27	27	3	3	9	75	0	18	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	405.6	569.0	26								U	L	1.674	357	1.341	137	27	27	3	3	9	76	0	19	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	405.6	569.0	26								U	L	1.769	361	1.332	126	27	27	3	3	9	75	0	18	2	19	33
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286301	T	405.6	569.0	26								U	L	1.674	357	1.341	137	27	27	3	3	9	76	0	19	2	19	32
31.75 x 2438 x 12192	1	7,406	RA2330	FCI9286302	T	405.6	569.0	26								U	L	1.769	361	1.332	126	27	27	3	3	9	75	0	18	2	19	33

* Position - T:Top, M:Middle, B:Bottom
 * Tensile test - Direction: Transverse, Gauge length: 200mm (Rectangular), YP Mid : 2 (0.2% of- σ_{TS}), 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

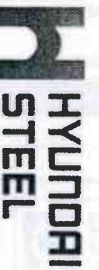
WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND THE REQUIREMENTS

Signature
S. B. Park
 Chief Of Quality Assurance Team

* 본 검사증명서는 원본인 전자문서(전자서명 정보 포함)로부터 출력된 사본입니다. 전자문서상 내용은 현대제철 고객센터에서 확인하실 수 있습니다. (http://smhyundai-steel.com/css/looin.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 steel's customer portal (http://smhyundai-steel.com/css/looin.jsp) * Check scanner App : 'Cpsal'
 * [가용성 주의사항] 본 검사증명서에 영구적 규격 외 사용시 제품품질 및 안전상 문제가 발생할 수 있습니다.
 * [Caution for Usage] Damage on products and safety problems may arise if used other than to the spec stated in this Mill Test Certificate.

검사 증명서

MILL TEST CERTIFICATE



인천제철소 : 흥남 당진시 송악읍 북부신영로 1480
 1480 Bukusangup-ro, Songak-eup, Dangjin-si, Chungnam, Korea



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 Specification : ASTM A572-50/A709-50
 주문자 : HYUNDAI CORPORATION
 Contractor : HYUNDAI CORPORATION
 증명서 번호 : 20200402-PS-024-004
 Certificate No. : 20200402-PS-024-004
 발행일자 : 2020-04-02
 Date of Issue : 2020-04-02

제품키수 Dimension	수량 Quantity	중량 Weight (KG)	제강번호 Heat No.	제품번호 Product No.	인장시험 Tensile Test						화학성분 Chemical Composition(%)										단위 Unit					
					YP		TS	EL	YP-EL	RA	YR	YP	YS	C	S	Mn	P	S	Cr	N	CU	MO	Nb	TI	V	S _{total}
					(N/mm ²)	(%)	(%)	(%)	(%)	(%)	Mid	50	4	3	3	4	4	2	2	3	3	2	3	3	3	3
31.75 x 2438 x 12192	1	7.406	PA2930	FC19298702	T	405.6	569.0	28																		
31.75 x 2438 x 12192	1	7.406	PA2932	FC19298901	T	407.2	563.3	27																		
31.75 x 2438 x 12192	1	7.406	PA2932	FC19298902	T	407.2	563.3	27																		
31.75 x 2438 x 12192	1	7.406	PA2932	FC19299001	T	407.2	563.3	27																		
31.75 x 2438 x 12192	1	7.406	PA2932	FC19299002	T	407.2	563.3	27																		

*** Star Test(038) *** 13 96.278(Kg) ***
 *** Condition of supply : As-Fished ***

* Position - T:Top, M:Middle, B:Bottom
 * Tensile test - Direction:Transverse, Gauge length:200mm (Rectangular), 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

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

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 * This Mill Test Certificate is a copy that has been printed from original electronic document with digital stamping.
 * You are able to check an original document in Hyundai customer portal site (http://sm.hyundai-steel.com/csr/foqm.jsp) * QRcode scanner App : 'QReal'
 * [지출용 수취서함] 본 검사증명서와 함께 발급된 QR 코드 사용시 제품명칭 및 인장 시험 결과를 확인할 수 있습니다.
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