검 사 증 명 서
MILL TEST CERTIFICATE

HYUNDAI STEEL

당진제철소 : 충남 당진시 송악읍 북부산업로 1480
1480 Bukbusanup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea

주문번호 Order No. : F200100191

품 명 Commodity : HOT ROLLED STEEL PLATE

제품규격 Specification : ASTM A36

고객사 Customer : PLESA STEEL

주문자 Contractor : HYUNDAI CORPORATION

증명서 번호 Certificate No. : 20200403-PS-018-010

발행일자 Date of Issue : 2020-04-03

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test YP (N/mm²)	TS (N/mm²)	EL (%)	YP-EL (%)	RA (%)	YR (%)	YP Mtd	화학성분 Chemical Composition(%) 단위 Unit 2 : x 100 3 : x 1,000 4 : x 10,000 5 : x 100,000 Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al	DR
														4	3	3	4	4	2	2	3	2	3	3	3	3	3
7.94 x 2438 x 6096	1	926	R43469	FB72165001	T	327.6	476.6	29				U	L	1,516	204	843	117	51	2	1	18	0	1	1	0	36	1,753
													P	1,478	204	857	104	45	2	1	17	0	1	1	0	37	
7.94 x 2438 x 6096	1	926	R43469	FB72165002	T	327.6	476.6	29				U	L	1,516	204	843	117	51	2	1	18	0	1	1	0	36	1,753
													P	1,478	204	857	104	45	2	1	17	0	1	1	0	37	
7.94 x 2438 x 6096	1	926	R44906	FB72746301	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746302	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746303	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746304	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746305	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746401	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	

NOTE

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

상기의 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 영본인 전자문서(전자서명 정보 포함)로부터 출력된 사본입니다. 전자문서의 내용은 현대제철 고객포탈에서 확인하실 수 있습니다.(http://sm.hyundai-steel.com/cs/cm/login.jsp)
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검 사 증 명 서
MILL TEST CERTIFICATE

HYUNDAI STEEL

당진제철소 : 충남 당진시 송악읍 북부산업로 1480
1480 Bukbusanup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea

주문번호 Order No. : F200100191

품 명 Commodity : HOT ROLLED STEEL PLATE

제품규격 Specification : ASTM A36

고객사 Customer : PLESA STEEL

주문자 Contractor : HYUNDAI CORPORATION

증명서 번호 Certificate No. : 20200403-PS-018-011

발행일자 Date of Issue : 2020-04-03

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test YP (N/㎟)	TS	EL (%)	YP-EL (%)	RA (%)	YR (%)	YP Mtd	Division	화학성분 Chemical Composition(%) 단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000 C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al	DR
														4	3	3	4	4	2	2	3	2	3	3	3	3	3
7.94 x 2438 x 6096	1	926	R44906	FB72746402	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746403	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746404	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746405	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746501	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746502	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746503	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	
7.94 x 2438 x 6096	1	926	R44906	FB72746504	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	

NOTE

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

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당진제철소 : 충남 당진시 송악읍 북부산업로 1480
1480 Bukbusanup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea

주문번호 Order No. : F200100191

품 명 Commodity : HOT ROLLED STEEL PLATE

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20200403-PS-018-012

제품규격 Specification : ASTM A36

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-03

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test YP	TS	EL	YP-EL	RA	YR	YP Mtd	화학성분 Chemical Composition(%) 단위 Unit 2:x100 3:x1,000 4:x10,000 5:x100,000 Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al	DR
						(N/㎟)		(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3	3
7.94 x 2438 x 6096	1	926	R44906	FB72746505	T	318.2	464.8	28				U	L	1,510	194	835	178	68	3	1	31	0	1	2	1	28	1,741
													P	1,605	183	760	138	68	2	1	25	0	1	2	0	24	

*** Sub Total(023) *** 17 15,742(Kg)

*** Condition of supply : As-Rolled ***

NOTE

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