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

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20200402-PS-023-001

제품규격 Specification : ASTM A36

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-02

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test YP (N/mm²)	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 4	Si 3	Mn 3	P 4	S 4	Cr 2	Ni 2	Cu 3	Mo 2	Nb 3	Ti 3	V 3	Sol-Al 3	DR 3
6.35 x 2438 x 6096	1	741	R44906	FB72746605	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813601	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813602	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813603	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813604	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813605	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813606	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813701	T	326.3	467.5	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.
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Signature S. B. Park
Chief Of Quality Assurance Team

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검 사 증 명 서
MILL TEST CERTIFICATE

HYUNDAI STEEL

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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. : 20200402-PS-023-002

발행일자 Date of Issue : 2020-04-02

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:x100 3:x1,000 4:x10,000 5:x100,000 Division	C 4	Si 3	Mn 3	P 4	S 4	Cr 2	Ni 2	Cu 3	Mo 2	Nb 3	Ti 3	V 3	Sol-Al 3	DR 3
6.35 x 2438 x 6096	1	741	R44906	FB72813702	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813703	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813704	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813705	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813706	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813801	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813802	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813803	T	326.3	467.5	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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Signature S. B. Park
Chief Of Quality Assurance Team

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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. : 20200402-PS-023-003

발행일자 Date of Issue : 2020-04-02

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	Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al	DR
														화학성분 Chemical Composition(%) 단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000													
														4	3	3	4	4	2	2	3	2	3	3	3	3	3
6.35 x 2438 x 6096	1	741	R44906	FB72813804	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813805	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813806	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813901	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813902	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813903	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813904	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72813905	T	326.3	467.5	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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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

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20200402-PS-023-004

제품규격 Specification : ASTM A36

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-02

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(%) Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al	DR
						(N/mm²)		(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3	3
6.35 x 2438 x 6096	1	741	R44906	FB72813906	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814001	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814002	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814003	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814004	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814005	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814006	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814101	T	326.3	467.5	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	

단위 Unit 2 : x 100 3 : x 1,000 4 : x 10,000 5 : x 100,000

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

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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

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20200402-PS-023-005

제품규격 Specification : ASTM A36

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-02

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	Division	화학성분 Chemical Compostion(%) C (4)	Si (3)	Mn (3)	P (4)	S (4)	Cr (2)	Ni (2)	Cu (3)	Mo (2)	Nb (3)	Ti (3)	V (3)	Sol-Al (3)	DR (3)
6.35 x 2438 x 6096	1	741	R44906	FB72814102	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814103	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814104	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814105	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814106	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814201	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814202	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814203	T	326.3	467.5	28				U	L	1,510	194	835	178	66	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	

단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000

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 원본인 전자문서(전자서명 정보 포함)로부터 출력된 사본입니다. 전자문서의 내용은 현대제철 고객포탈에서 확인하실 수 있습니다.(http://sm.hyundai-steel.com/cs/cm/login.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 hyundaisteel's customer portal.(http://sm.hyundai-steel.com/cs/cm/login.jsp) * QRcode scanner App : 'QReal'
* [사용상 주의사항] 본 검사증명서에 명기된 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 spec stated in this Mill Test Certification.

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. : 20200402-PS-023-006

발행일자 Date of Issue : 2020-04-02

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	Division	화학성분 Chemical Compostion(%) C (4)	Si (3)	Mn (3)	P (4)	S (4)	Cr (2)	Ni (2)	Cu (3)	Mo (2)	Nb (3)	Ti (3)	V (3)	Sol-Al (3)	DR (3)
6.35 x 2438 x 6096	1	741	R44906	FB72814204	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814205	T	326.3	467.5	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	
6.35 x 2438 x 6096	1	741	R44906	FB72814206	T	326.3	467.5	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	

단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000

*** Sub Total(002) *** 43 31,863(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)
* 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.
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Signature S. B. Park

Chief Of Quality Assurance Team

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