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. : 20200401-PS-013-001

제품규격 Specification : ASTM A572-50/A709-50

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-01

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
22.23 x 1829 x 6096	1	1,946	R42930	FB72138101	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138102	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138103	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138104	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138105	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138202	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138203	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138204	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32

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

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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'
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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 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

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20200401-PS-013-002

제품규격 Specification : ASTM A572-50/A709-50

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2020-04-01

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	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al
														4	3	3	4	4	2	2	3	2	3	3	3	3
22.23 x 1829 x 6096	1	1,946	R42930	FB72138205	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138302	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138303	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138304	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138305	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32
22.23 x 1829 x 6096	1	1,946	R42930	FB72138306	T	425.6	571.5	27				U	L	1,674	357	1,341	137	27	3	9	76	0	19	2	19	33
													P	1,747	367	1,330	123	25	3	8	77	0	19	2	20	32

*** Sub Total(035) *** 14 27,244(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

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