

# 검사증명서

## MILL TEST CERTIFICATE



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

주문번호 Order No.	: F191100036	고객사 Customer	: PLESA STEEL	증명서 번호 Certificate No.	: 20191225-PS-008-011
품명 Commodity	: HOT ROLLED STEEL PLATE	주문자 Contractor	: HYUNDAI CORPORATION	발행일자 Date of Issue	: 2019-12-25
제품규격 Specification	: ASTM A572-50/A709-50				

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test						화학성분 Chemical Composition(%)											단위 Unit			
						YP	TS	EL	YP-EL	RA	YR	YP Mtd	Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al
						(N/mm <sup>2</sup> )	(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3	
31.75 x 2438 x 12192	1	7,406	R32632	FC15728101	T	422.0	568.0	28				U	L	1,588	352	1,369	150	34	2	8	78	0	21	2	17	33
31.75 x 2438 x 12192	1	7,406	R32632	FC15728102	T	422.0	568.0	28				U	P	1,575	342	1,362	144	29	2	8	74	0	21	2	18	34
31.75 x 2438 x 12192	1	7,406	R30595	FC15935201	T	436.6	563.7	25				U	L	1,588	352	1,369	150	34	2	8	78	0	21	2	17	33
31.75 x 2438 x 12192	1	7,406	R30595	FC15935201	T	436.6	563.7	25				U	P	1,575	342	1,362	144	29	2	8	74	0	21	2	18	34
31.75 x 2438 x 12192	1	7,406	R32641	FC16013301	T	397.2	564.2	27				U	L	1,465	341	1,434	136	27	3	1	16	0	19	2	31	31
31.75 x 2438 x 12192	1	7,406	R32641	FC16013301	T	397.2	564.2	27				U	P	1,452	361	1,461	135	23	3	1	16	0	18	2	33	35
31.75 x 2438 x 12192	1	7,406	R32641	FC16013302	T	397.2	564.2	27				U	L	1,651	342	1,357	135	26	2	9	90	0	20	2	17	27
31.75 x 2438 x 12192	1	7,406	R32641	FC16013302	T	397.2	564.2	27				U	P	1,611	363	1,343	122	22	2	9	90	1	19	2	18	26
31.75 x 2438 x 12192	1	7,406	R32641	FC16013302	T	397.2	564.2	27				U	L	1,651	342	1,357	135	26	2	9	90	0	20	2	17	27
31.75 x 2438 x 12192	1	7,406	R32641	FC16013302	T	397.2	564.2	27				U	P	1,611	363	1,343	122	22	2	9	90	1	19	2	18	26

\*\*\* Sub Total(041) \*\*\* 13 96,278(Kg)

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

**N O T E**

\* 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