

# 검사증명서

## MILL TEST CERTIFICATE



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

주문번호 : F191100036  
Order No. : F191100036

품명 : 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 : 20191225-PS-008-010  
Certificate No. : 20191225-PS-008-010

발행일자 : 2019-12-25  
Date of Issue : 2019-12-25

제품지수 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	R32641	FB69064401	T	397.5	563.9	25				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	FB69064402	T	397.5	563.9	25				U	P	1,647	355	1,357	110	23	3	9	90	1	18	2	18	27
31.75 x 2438 x 12192	1	7,406	R32638	FC15693401	T	414.4	565.1	25				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	R32638	FC15693402	T	414.4	565.1	25				U	P	1,647	355	1,357	110	23	3	9	90	1	18	2	18	27
31.75 x 2438 x 12192	1	7,406	R32638	FC15693501	T	397.0	560.9	26				U	L	1,520	364	1,392	123	33	3	8	85	0	21	2	18	30
31.75 x 2438 x 12192	1	7,406	R32638	FC15693502	T	397.0	560.9	26				U	P	1,639	371	1,373	128	28	2	8	80	0	20	2	18	29
31.75 x 2438 x 12192	1	7,406	R32627	FC15693601	T	378.7	566.6	25				U	L	1,520	364	1,392	123	33	3	8	85	0	21	2	18	30
31.75 x 2438 x 12192	1	7,406	R32627	FC15693602	T	378.7	566.6	25				U	P	1,639	371	1,373	128	28	2	8	80	0	20	2	18	29
31.75 x 2438 x 12192	1	7,406	R32627	FC15693602	T	378.7	566.6	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
												U	P	1,793	343	1,341	131	36	3	8	86	0	20	2	17	26
												U	P	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
												U	P	1,793	343	1,341	131	36	3	8	86	0	20	2	17	26

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