

# 검사증명서

## MILL TEST CERTIFICATE



당진제철소 : 중남 동진시 송악읍 북부산업로 4E0  
143C Eukbusan-ro Songak-Eup Dangjin-si Chungnam, Korea



주문번호 : E190200151  
Order No.

품명 : HOT ROLLED STEEL PLATE  
Commodity

제품규격 : ASTM A36  
Specification

고객사 : DUFERCO  
Customer

주문자 : DUFERCO S.A.  
Contractor

증명서 번호 : 20190323-PS-004-004  
Certificate No.

발행일자 : 2019-03-23  
Date of Issue

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	Div	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sd	DR
						(N/mm <sup>2</sup> )	(%)	(%)	(%)	(%)	Mtd	4	3	3	4	4	2	2	3	2	3	3	3	3	3	3	
19.05 x 1829 x 6096	1	1,667	H03261	FC05931502	T	316.7	468.1	30				U	L	1,542	196	828	151	29	2	0	15	0	0	2	0	27	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931503	T	316.7	468.1	30				U	P	1,599	202	852	165	28	2	1	16	1	1	2	1	28	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931504	T	316.7	468.1	30				U	L	1,542	196	828	151	29	2	0	15	0	0	2	0	27	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931505	T	316.7	468.1	30				U	P	1,599	202	852	165	28	2	1	16	1	1	2	1	28	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931506	T	316.7	468.1	30				U	L	1,542	196	828	151	29	2	0	15	0	0	2	0	27	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931507	T	316.7	468.1	30				U	P	1,599	202	852	165	28	2	1	16	1	1	2	1	28	1,753
19.05 x 1829 x 6096	1	1,667	R03261	FC05931508	T	316.7	468.1	30				U	L	1,542	196	828	151	29	2	0	15	0	0	2	0	27	1,753
19.05 x 1829 x 6096	1	1,667	R03256	FC05931601	T	296.9	463.1	30				U	P	1,566	207	865	102	32	2	1	16	0	0	2	1	29	1,805
													P	1,562	206	852	107	30	2	1	15	0	1	2	1	29	

\* 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 hyundai-steel'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.