Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 180820-FP01PS-0020A2-0002
Date of Issue/발행일자 : Oct., 10, 2018

Order No./계약번호 : 01S3289030
PO No./주문번호 : PO#V14891

Supplier /주문자 : HYUNDAI CORPORATION
Commodity /품명 : STEEL PLATE

Customer /고객사 :
Spec & Type /규격 : ASTMA36/ASMESA36/A709-36

Size/치수 (mm) (inch)	Product No. /제품번호	Quantity /수량	Weight /중량 (kg) (lb)	Heat No. /제강번호	Position	Tensile Test /인장시험 YP (ksi)	TS (ksi)	EL (%)		Division	Chemical Composition/화학성분 C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)
15.88x2438x6096 5/8"x 96 x240	PB17215301-5310	10	18,530	SB33059	T	41.8	63.1	31		L	0.1619	0.232	0.577	0.0102	0.0041	0.024	0.009	0.009	0.003	0.000	0.001
			40,850							P	0.1580	0.243	0.563	0.0099	0.0039	0.025	0.009	0.009	0.002	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PB17277701-7707	7	12,971	SB33059	T	40.9	62.2	36		L	0.1619	0.232	0.577	0.0102	0.0041	0.024	0.009	0.009	0.003	0.000	0.001
			28,595							P	0.1580	0.243	0.563	0.0099	0.0039	0.025	0.009	0.009	0.002	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51630301-0304	4	7,412	SF02050	T	47.4	65.6	33		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51629901-9904	4	7,412	SF02050	T	45.5	65.1	31		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51630001-0004	4	7,412	SF02050	T	45.4	64.5	32		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51651501-1504	4	7,412	SF02050	T	42.8	64.4	30		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51651601-1604	4	7,412	SF02050	T	44.4	64.4	31		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51666701-6704	4	7,412	SF02050	T	45.1	65.3	32		L	0.1705	0.247	0.563	0.0083	0.0046	0.026	0.012	0.020	0.005	0.001	0.000
			16,340							P	0.1662	0.259	0.556	0.0091	0.0053	0.032	0.012	0.020	0.004	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51629701-9704	4	7,412	SF02052	T	46.1	64.8	33		L	0.1644	0.258	0.561	0.0108	0.0070	0.039	0.010	0.018	0.003	0.001	0.001
			16,340							P	0.1597	0.263	0.547	0.0103	0.0068	0.040	0.010	0.018	0.003	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51629601-9604	4	7,412	SF02052	T	44.7	64.3	31		L	0.1644	0.258	0.561	0.0108	0.0070	0.039	0.010	0.018	0.003	0.001	0.001
			16,340							P	0.1597	0.263	0.547	0.0103	0.0068	0.040	0.010	0.018	0.003	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51630801-0804	4	7,412	SF02052	T	46.0	64.7	32		L	0.1644	0.258	0.561	0.0108	0.0070	0.039	0.010	0.018	0.003	0.001	0.001
			16,340							P	0.1597	0.263	0.547	0.0103	0.0068	0.040	0.010	0.018	0.003	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51630701-0704	4	7,412	SF02052	T	46.7	64.8	29		L	0.1644	0.258	0.561	0.0108	0.0070	0.039	0.010	0.018	0.003	0.001	0.001
			16,340							P	0.1597	0.263	0.547	0.0103	0.0068	0.040	0.010	0.018	0.003	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51666801-6804	4	7,412	SF02052	T	42.8	63.4	31		L	0.1644	0.258	0.561	0.0108	0.0070	0.039	0.010	0.018	0.003	0.001	0.001
			16,340							P	0.1597	0.263	0.547	0.0103	0.0068	0.040	0.010	0.018	0.003	0.000	0.001
15.88x2438x6096 5/8"x 96 x240	PA51652501-2503	3	5,559	SF02096	T	46.0	65.1	31		L	0.1732	0.257	0.553	0.0103	0.0041	0.030	0.015	0.021	0.006	0.001	0.001
			12,255							P	0.1699	0.267	0.556	0.0105	0.0039	0.032	0.013	0.023	0.005	0.001	0.001

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test. Direction : Transversal, Gauge Length : 200㎜(Rectangular), YP Method : 0.2% off-set
* Division - L : Ladle Analysis, P : Products Analysis
* Supply Condition : As-Rolled unless otherwise Heat Treated.

We hereby certify that the material herein has been made in accordance with the order and above specification.
This material has been fully killed and made by basic oxygen process. This material is fine grained steel.
Test Certificate is issued according to EN10204 3.1.
Melted and Manufactured in Republic of Korea

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.

Surveyor To :

S.S.Ahn

Chief of material testing section Ahn, Seong Soo