



Order No. : 01S5757814

Supplier : POSCO INTERNATIONAL CORPORATION

Customer :

**Mill Test Certificate**

PO No. : 2210-1003032549  
 (1003032549)

Commodity : HOT ROLLED COIL

Spec & Type : ASTM A1011-CS-B

Certificate No. : 221007-FH01KS-0009A1-0001  
 Date of Issue : Oct., 26, 2022

LO# 39473  
 14ga x 60 HR  
 Heat# sU91048

Size	Product No.	Quantity	Weight (kg)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Division	Chemical Composition														
							YP (%)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	N (ppm)	Nb (%)	Ti (%)	V (%)	Sol-AI (%)
1.56x1219xC	HTJ042810	1	20,930	SP32804	KOR	B	234	357	38	L	0.0404	0.004	0.198	0.0088	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.56x1219xC	HTJ042820	1	21,020	SP32804	KOR	B	234	357	38	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.56x1219xC	HTJ0372802	1	15,330	SP32804	KOR	B	217	337	38	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.56x1219xC	HTJ042850	1	20,960	SP32804	KOR	B	217	337	38	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
*** Sub Total (010) ***		5	98,180 (kg)				217	337	38	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.56x1524xC	HTJ092740	1	20,330	SU91052	KOR	B	258	361	38	L	0.0445	0.011	0.202	0.0146	0.0033	0.018	0.018	0	0.023	0.003	30	0.000	0.0018	0.000	0.035
1.56x1524xC	HTJ092810	1	20,440	SU91052	KOR	B	258	361	38	L	0.0445	0.011	0.202	0.0146	0.0033	0.018	0.018	0	0.023	0.003	30	0.000	0.0018	0.000	0.035
1.56x1524xC	HTJ092730	1	20,570	SU91052	KOR	B	249	364	38	L	0.0445	0.011	0.202	0.0146	0.0033	0.018	0.018	0	0.023	0.003	30	0.000	0.0018	0.000	0.035
1.56x1524xC	HTJ092800	1	20,450	SU91052	KOR	B	249	364	38	L	0.0445	0.011	0.202	0.0146	0.0033	0.018	0.018	0	0.023	0.003	30	0.000	0.0018	0.000	0.035
*** Sub Total (020) ***		4	81,790 (kg)				249	364	38	L	0.0445	0.011	0.202	0.0146	0.0033	0.018	0.018	0	0.023	0.003	30	0.000	0.0018	0.000	0.035
1.81x1219xC	HTJ037160	1	21,020	SP32804	KOR	B	225	357	38	L	0.0404	0.004	0.198	0.0088	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.81x1219xC	HTJ042540	1	20,920	SP32804	KOR	B	225	357	38	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.81x1219xC	HTJ037140	1	20,970	SP32804	KOR	B	224	355	37	L	0.0404	0.004	0.198	0.0089	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.81x1219xC	HTJ037150	1	20,860	SP32804	KOR	B	224	355	37	L	0.0404	0.004	0.198	0.0088	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
*** Sub Total (030) ***		4	83,800 (kg)				224	355	37	L	0.0404	0.004	0.198	0.0088	0.0052	0.020	0.010	0	0.028	0.004	43	0.001	0.0004	0.000	0.038
1.81x1524xC	HTJ092710	1	20,810	SU91048	KOR	B	249	355	38	L	0.0438	0.007	0.198	0.0182	0.0021	0.011	0.007	1	0.012	0.000	41	0.000	0.0010	0.001	0.020
1.81x1524xC	HTJ092770	1	20,960	SU91048	KOR	B	248	355	38	L	0.0438	0.007	0.198	0.0182	0.0021	0.011	0.007	1	0.012	0.000	41	0.000	0.0010	0.001	0.020
1.81x1524xC	HTJ092860	1	20,740	SU91050	KOR	B	233	360	37	L	0.0438	0.006	0.201	0.0147	0.0031	0.012	0.009	0	0.014	0.002	30	0.000	0.0017	0.000	0.027
1.81x1524xC	HTJ092880	1	20,930	SU91050	KOR	B	233	360	37	L	0.0438	0.006	0.201	0.0147	0.0031	0.012	0.009	0	0.014	0.002	30	0.000	0.0017	0.000	0.027
*** Sub Total (040) ***		4	83,460 (kg)				233	360	37	L	0.0438	0.006	0.201	0.0147	0.0031	0.012	0.009	0	0.014	0.002	30	0.000	0.0017	0.000	0.027
2.57x1829xC	HRJ023750	1	20,730	SQ08439	KOR	B	243	351	35	L	0.0370	0.014	0.181	0.0090	0.0053	0.013	0.005	0	0.011	0.003	23	0.000	0.0015	0.000	0.038
2.57x1829xC	HRJ023780	1	19,780	SQ08440	KOR	B	248	350	35	L	0.0382	0.006	0.209	0.0110	0.0093	0.017	0.008	0	0.019	0.002	33	0.001	0.0005	0.000	0.025

\* Position - T : Top, M : Middle, B : Bottom  
 \* Tensile Test Direction : Longitudinal, Gauge Length : 50 mm (Rectangular),  
 \* YP Method : Upper Point  
 \* Division - L : Ladle Analysis

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.  
 This material has been fully killed and made by basic oxygen process.  
 Test Certificate is issued according to ISO 10474/EN 10204 3.1.



Surveyor To :

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Chief of material testing section

POSCO

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< PAGE : 1 >