



# Mill Test Certificate

Certificate No. : 220210-FH01KS-0004A1-0004

Date of Issue : Feb., 28, 2022

Order No. : 01S5357632

PO No. : 2201-25.281

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL <sup>(25.281)</sup>

Customer : SUNBELT GROUP

Spec & Type : ASTM A36

Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Division	Chemical Composition											
							YP (MPa)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	So-Al (%)
9.30x1219xC	HQA093210	1	19,080 42,064	SQ88639	KOR	B	315	506	31	L	0.1906	0.012	0.872	0.0137	0.0056	0.024	0.013	0.038	0.003	0.000	0.000	0.024
9.30x1219xC	HQA093230	1	18,920 41,711	SQ88639	KOR	B	315	506	31	P	0.1911	0.013		0.0132	0.0050	0.023	0.013	0.036	0.003	0.000	0.000	0.020
*** Sub Total (970) ***		13	247,610 (kg) 545,879 (lb)							L	0.1906	0.012	0.872	0.0137	0.0056	0.024	0.013	0.038	0.003	0.000	0.000	0.024
										P	0.1911	0.013		0.0132	0.0050	0.023	0.013	0.036	0.003	0.000	0.000	0.020
9.30x1524xC	HRA044990	1	18,800 41,446	SQ87873	KOR	B	303	488	31	L	0.1782	0.006	0.766	0.0118	0.0039	0.018	0.011	0.023	0.002	0.001	0.000	0.023
9.30x1524xC	HRA054060	1	19,910 43,893	SQ87873	KOR	B	303	488	31	P	0.1749	0.007		0.0131	0.0041	0.019	0.011	0.021	0.002	0.001	0.001	0.024
9.30x1524xC	HRA045030	1	19,890 43,849	SQ87875	KOR	B	293	471	35	L	0.1782	0.006	0.766	0.0118	0.0039	0.018	0.011	0.023	0.002	0.001	0.000	0.023
9.30x1524xC	HRA045040	1	20,120 44,356	SQ87875	KOR	B	293	471	35	P	0.1749	0.007		0.0131	0.0041	0.019	0.011	0.021	0.002	0.001	0.001	0.024
*** Sub Total (980) ***		4	78,720 (kg) 173,544 (lb)							L	0.1767	0.006	0.750	0.0117	0.0034	0.022	0.014	0.029	0.002	0.001	0.000	0.028
										P	0.1766	0.007		0.0116	0.0034	0.023	0.014	0.032	0.002	0.001	0.001	0.031
12.45x1219xC	HQA088870	1	18,790 41,424	SQ88522	KOR	B	303	485	34	L	0.1751	0.012	0.747	0.0111	0.0032	0.014	0.009	0.020	0.003	0.001	0.001	0.031
12.45x1219xC	HQA088810	1	18,700 41,226	SQ88524	KOR	B	301	485	39	P	0.1751	0.012		0.0103	0.0031	0.013	0.008	0.018	0.003	0.000	0.000	0.032
12.45x1219xC	HQA088820	1	19,040 41,975	SQ88524	KOR	B	301	485	39	L	0.1823	0.009	0.765	0.0107	0.0036	0.011	0.010	0.021	0.004	0.002	0.000	0.024
12.45x1219xC	HQA088860	1	18,860 41,579	SQ88524	KOR	B	301	485	39	P	0.1823	0.009	0.765	0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021
12.45x1219xC	HQA088830	1	19,040 41,975	SQ88524	KOR	B	325	491	33	L	0.1823	0.009	0.765	0.0107	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021
										P	0.1823	0.009		0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021

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

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

P.O.# P0235268-06  
 3/8" 60 x 120  
 HEAT# SQ 87875

Surveyor To :

Park, Junyoung