



Mill Test Certificate

Certificate No. : 220210-FH01KS-0004A1-0005

Date of Issue : Feb., 28, 2022

Order No. : 01S5357632

PO No. : 2201-25.281

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL ^(25.281)

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 (%)
12.45x1219xC	HQA088840	1	18,810 41,468	SQ88524	KOR	B	325	491	33	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	HQA088850	1	19,000 41,887	SQ88524	KOR	B	325	491	33	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	HQA088910	1	18,940 41,755	SQ88529	KOR	B	303	500	38	L	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	HQA093180	1	16,910 37,280	SQ88639	KOR	B	312	492	34	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
*** Sub Total (090) ***		9	168,090 (kg) 370,569 (lb)																			
12.45x1524xC	HRA044760	1	18,960 41,799	SQ87870	KOR	B	317	484	33	L	0.1678	0.007	0.784	0.0114	0.0038	0.019	0.012	0.029	0.003	0.001	0.001	0.020
12.45x1524xC	HRA044700	1	19,960 44,004	SQ87870	KOR	B	307	483	35	P	0.1708	0.008	0.784	0.0119	0.0042	0.020	0.013	0.027	0.003	0.000	0.001	0.019
12.45x1524xC	HRA062950	1	19,120 42,152	SQ87870	KOR	B	307	483	35	L	0.1678	0.007	0.784	0.0114	0.0038	0.019	0.012	0.029	0.003	0.001	0.001	0.020
*** Sub Total (100) ***		3	58,040 (kg) 127,955 (lb)																			
*** Grade Total ***		52	1,003,560 (kg) 2,212,438 (lb)																			

* 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. # P0233285-06
 1/2" 60x120
 HEAT # SQ 87870

Surveyor To :

Park, Junyoung