



# Mill Test Certificate

Certificate No. : 230422-FH01KS-0023A1-0002  
Date of Issue : May., 02, 2023

Order No. : 01S6033869

PO No. : 2304-25.770 (25.770)

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL

Spec & Type : ASTM A36

Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Chemical Composition														
							YP (kg)	TS (kg)	EL (%)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	Se+Al (%)			
4.71x1524xC	HQQ120910	1	20,670 45,569	SQ23489	KOR	B	299	448	33	L	0.1435	0.007	0.626	0.0101	0.0028	0.013	0.004	0.011	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ120950	1	20,930 45,922	SQ23489	KOR	B	299	448	33	P	0.1466	0.009	0.626	0.0101	0.0028	0.013	0.006	0.013	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ120970	1	20,600 45,415	SQ23489	KOR	B	299	448	33	L	0.1435	0.007	0.626	0.0101	0.0028	0.013	0.004	0.011	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ120900	1	20,690 45,613	SQ23489	KOR	B	300	459	33	P	0.1466	0.009	0.626	0.0101	0.0028	0.013	0.006	0.013	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ120940	1	20,710 45,657	SQ23489	KOR	B	300	459	33	L	0.1435	0.007	0.626	0.0101	0.0028	0.013	0.004	0.011	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ120960	1	20,280 44,709	SQ23489	KOR	B	300	459	33	P	0.1466	0.009	0.626	0.0101	0.0028	0.013	0.006	0.013	0.004	0.000	0.000	0.000	0.002	0.030
4.71x1524xC	HQQ121230	1	20,610 45,437	SQ23489	KOR	B	289	460	35	L	0.1431	0.009	0.684	0.0131	0.0032	0.025	0.011	0.031	0.004	0.002	0.000	0.000	0.000	0.023
*** Sub Total (020) ***		7	144,390 (kg) 318,322 (lb)							P	0.1440	0.009	0.0141	0.0035	0.026	0.013	0.031	0.004	0.000	0.000	0.000	0.000	0.000	0.026
4.79x1829xC	HTQ062610	1	20,470 45,128	SU99228	KOR	B	289	450	31	L	0.1401	0.005	0.683	0.0092	0.0032	0.016	0.013	0.028	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062620	1	20,320 44,797	SU99228	KOR	B	289	450	31	L	0.1414	0.005	0.683	0.0092	0.0034	0.016	0.012	0.027	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062650	1	20,330 44,819	SU99228	KOR	B	289	450	31	L	0.1414	0.005	0.683	0.0092	0.0032	0.016	0.013	0.028	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062590	1	20,490 45,172	SU99228	KOR	B	284	438	30	L	0.1401	0.005	0.683	0.0092	0.0034	0.016	0.012	0.028	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062600	1	20,530 45,260	SU99228	KOR	B	284	438	30	L	0.1401	0.005	0.683	0.0092	0.0032	0.016	0.013	0.028	0.005	0.000	0.000	0.000	0.000	0.022

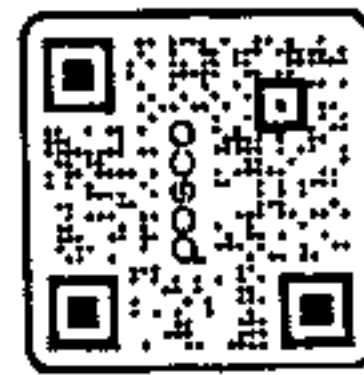
\* Position - T : Top, M : Middle, B : Bottom  
\* Tensile Test Direction : Transversal, Gauge Length : 50 mm (Rectangular).  
\* YP Method : Upper Point  
\* Division - L : Ladle Analysis, P : Products Analysis

P.O.# P0242539-08  
3116 60 x 120  
HEAT# SQ 23489

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.



Surveyor To :

Park, Junyoung