

Certificate No. : 230422-FH01KS-0023A1-0003

Date of Issue : May., 02, 2023

# Mill Test Certificate

# POSCO

Order No. : 01S6033869

Supplier : POSCO INTERNATIONAL CORPORATION

PO No. : 2304-25.770 (25.770)

Commodity : HR COIL

Spec & Type : ASTM A36

Cu

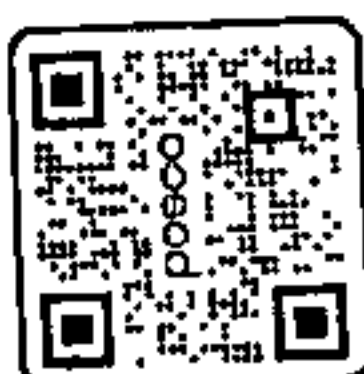
Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test		Division	Chemical Composition													
							YP (kg)	TS EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	Sol-Al (%)		
4.79x1829xC	HTQ062640	1	20,490 (45,172)	SU99228	KOR	B	284	438 30	L	0.1401	0.005	0.683	0.0032	0.0032	0.016	0.013	0.028	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062660	1	20,400 (44,974)	SU99228	KOR	B	284	438 30	P	0.1414	0.005	0.683	0.0032	0.0032	0.016	0.013	0.027	0.005	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062630	1	20,390 (44,952)	SU99229	KOR	B	293	462 31	L	0.1414	0.006	0.701	0.0084	0.0049	0.019	0.019	0.026	0.006	0.000	0.000	0.000	0.000	0.024
4.79x1829xC	HTQ062570	1	20,520 (45,238)	SU99229	KOR	B	293	462 31	P	0.1452	0.006	0.701	0.0087	0.0049	0.019	0.018	0.027	0.005	0.000	0.000	0.000	0.000	0.024
4.79x1829xC	HTQ062680	1	20,160 (44,445)	SU99229	KOR	B	306	476 27	L	0.1502	0.006	0.701	0.0084	0.0049	0.019	0.018	0.027	0.006	0.000	0.000	0.000	0.000	0.022
4.79x1829xC	HTQ062690	1	20,390 (44,952)	SU99229	KOR	B	306	476 27	P	0.1502	0.006	0.701	0.0087	0.0049	0.019	0.018	0.027	0.005	0.000	0.000	0.000	0.000	0.024
4.79x1829xC	HTQ062700	1	20,340 (44,841)	SU99229	KOR	B	306	476 27	L	0.1502	0.006	0.701	0.0084	0.0049	0.019	0.019	0.026	0.006	0.000	0.000	0.000	0.000	0.024
*** Sub Total (030) ***		12	244,830 (539,750)						P	0.1452	0.006	0.006	0.0087	0.0043	0.018	0.018	0.027	0.005	0.000	0.000	0.000	0.000	0.022
6.30x1219xC	HQQ121400	1	20,670 (45,569)	SQ23501	KOR	B	322	482 34	L	0.1478	0.006	0.640	0.0117	0.0032	0.020	0.007	0.017	0.002	0.001	0.002	0.000	0.000	0.021
6.30x1219xC	HQQ121880	1	19,220 (42,372)	SQ23507	KOR	B	305	470 35	P	0.1474	0.005	0.657	0.0094	0.0033	0.013	0.005	0.011	0.002	0.000	0.000	0.000	0.000	0.029
6.30x1219xC	HQQ121900	1	19,030 (41,953)	SQ23507	KOR	B	305	470 35	L	0.1504	0.005	0.657	0.0097	0.0034	0.011	0.006	0.011	0.002	0.000	0.000	0.000	0.000	0.026
6.30x1219xC	HQQ121910	1	19,190 (42,306)	SQ23507	KOR	B	305	470 35	P	0.1504	0.005	0.657	0.0094	0.0033	0.013	0.005	0.011	0.002	0.000	0.000	0.000	0.000	0.026
6.30x1219xC	HQQ121920	1	18,880 (41,823)	SQ23507	KOR	B	305	470 35	L	0.1474	0.005	0.657	0.0094	0.0033	0.013	0.005	0.011	0.002	0.000	0.000	0.000	0.000	0.026

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.

\* 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.# P0242538-15  
1/4" 48 x 96  
HEAT# SQ23501



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

Park, Junyoung

Surveyor To :

Park, Junyoung

Chief of material testing section

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POSCO