Certificate No.	191101F00009
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Issue date	01/11/2019

MILL TEST CERTIFICATE
(CR)

CHINA STEEL AND NIPPON STEEL VIETNAM
JOINT STOCK COMPANY
My Xuan A2 Industrial Zone, My Xuan Ward,
Phu My Town, Ba Ria - Vung Tau Province, Vietnam
Tell: 0254 393 1168 Fax: 0254 393 2168

0008

CUSTOMER	POSCO INTERNATIONAL CORPORATION			Invoice No.	S19100047	Shipping Date	25/10/2019
SPECIFICATION	ASTM A1008 CS TYPE B		QUATEST3 ASTM A1008/A1008M-16	Customer No.	P0004KOR	CSVC ORDER No.	201911EC72EA
PRODUCT	COLD ROLLED STEEL SHEET IN COIL	Contract No.		Reference No.			

ITEM NO.	MATERIAL DESCRIPTION THICK. mm	WIDTH mm	LENGTH mm	Quantity	MASS N/N kg	Coil No	Heat No	Chemical Composition (%) C	Si	Mn	P	S	Ni	Cr	Mo	V	Nb	Ti	Cu	Al	N	B	Tensile Test G.L.=50mm Ori	*A01 YS	*A02 TS	*A03 EL	Bend Test Ori.	Res.	REMARK
								X10^2	X10^2	X10^3	X10^3	X10^3	X10^2	X10^2	X10^2	X10^3	X10^3	X10^3	X10^2	X10^2	X10^3	X10^4		N/mm^2		%			
005	1.210	1,219.0	coil	1	9,830	3472042 *	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	223	347	40	L	OK	
005	1.210	1,219.0	coil	1	10,120	3472051	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	230	352	40	L	OK	
005	1.210	1,219.0	coil	1	10,340	3472052	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	230	352	40	L	OK	
005	1.210	1,219.0	coil	1	10,390	3472061	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	220	346	40	L	OK	
005	1.210	1,219.0	coil	1	10,180	3472062	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	220	346	40	L	OK	
005	1.210	1,219.0	coil	1	10,300	3472081	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	240	360	40	L	OK	
005	1.210	1,219.0	coil	1	10,000	3472082	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	240	360	40	L	OK	
005	1.210	1,219.0	coil	1	10,330	3472091	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	236	359	40	L	OK	
005	1.210	1,219.0	coil	1	10,250	3472092	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	236	359	40	L	OK	
005	1.210	1,219.0	coil	1	10,420	3472171	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	236	352	40	L	OK	
005	1.210	1,219.0	coil	1	10,020	3472172	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	236	352	40	L	OK	
005	1.210	1,219.0	coil	1	10,380	3472181	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	227	350	40	L	OK	
005	1.210	1,219.0	coil	1	10,260	3472182	111843	4	2	19	11	5	1	1	0	1	0	0	1	3	4	1	L	227	350	40	L	OK	
005	1.210	1,219.0	coil	1	10,370	3472231 #	111841	4	1	20	11	4	1	1	0	1	0	0	1	3	3	1	L	219	346	41	L	OK	
005	1.210	1,219.0	coil	1	10,090	3472232	111841	4	1	20	11	4	1	1	0	1	0	0	1	3	3	1	L	219	346	41	L	OK	
005	1.210	1,219.0	coil	1	10,410	3472241	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	238	358	39	L	OK	
005	1.210	1,219.0	coil	1	10,210	3472242	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	238	358	39	L	OK	
005	1.210	1,219.0	coil	1	10,430	3472251	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	237	357	39	L	OK	
005	1.210	1,219.0	coil	1	10,180	3472252	111842	5	2	21	16	5	1	1	0	1	0	0	1	4	4	1	L	237	357	39	L	OK	
			TOTAL:	19	194.510																								

NOTES
*A01=Yield Strength
*A02=Tensile Strength
*A03=Elongation

VISUAL INSPECTION(SURFACE) AND DIMENSION CHECK : OK

SURVEYOR TO

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

MADE IN VIETNAM
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CSVC
GENERAL MANAGER
LIN, CHIEN-CHUNG