



Mill Test Certificate

Certificate No. : 190911-FC01KS-0308A1-0001
Date of Issue : Sep., 27, 2019

Order No. : 01S3875018
Supplier : SUNGJIN CO., LTD.
Customer : STEMCOR EUROPE

PO No. : D4B0098-1
(D4B0098)
Commodity : COLD ROLLED COIL
Spec & Type : EN10130 DC01

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test			Division	Chemical Composition					
						YP (MPa)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	
2.00x1000xC	CQV6364A	1	12,230	SQ11045	B	220	331	42							
2.00x1000xC	CQV6364BB	1	10,040	SQ11045	B	220	331	42	L	0.0417	0.001	0.182	0.0094	0.0042	
2.00x1000xC	CQV6166A	1	12,090	SQ11045	B	221	333	44	L	0.0417	0.001	0.182	0.0094	0.0042	
2.00x1000xC	CQV6168B	1	12,160	SQ11045	B	221	333	44	L	0.0417	0.001	0.182	0.0094	0.0042	
*** Sub Total (010) ***		4	46,520 (kg)			< Not Welded >									
2.00x1250xC	CQV6787A	1	14,110	SQ11039	B	220	329	43	L	0.0414	0.001	0.194	0.0087	0.0035	
2.00x1250xC	CQV6787B	1	13,970	SQ11039	B	220	329	43	L	0.0414	0.001	0.194	0.0087	0.0035	
2.00x1250xC	CQV6786A	1	14,070	SQ11039	B	222	331	44	L	0.0414	0.001	0.194	0.0087	0.0035	
2.00x1250xC	CQV6788B	1	13,960	SQ11039	B	222	331	44	L	0.0414	0.001	0.194	0.0087	0.0035	
*** Sub Total (020) ***		4	56,110 (kg)			< Not Welded >									
2.00x1500xC	CSV8043A	1	11,020	SQ11049	B	210	329	41	L	0.0403	0.001	0.203	0.0120	0.0041	
2.00x1500xC	CSV8043B	1	10,990	SQ11049	B	210	329	41	L	0.0403	0.001	0.203	0.0120	0.0041	
2.00x1500xC	CSV8043C	1	11,100	SQ11049	B	210	329	41	L	0.0403	0.001	0.203	0.0120	0.0041	
2.00x1500xC	CSV8056A	1	10,990	SQ11052	B	210	328	43	L	0.0415	0.001	0.195	0.0093	0.0037	
X 2.00x1500xC	CSV8056B	1	10,970	SQ11052	B	210	328	43	L	0.0415	0.001	0.195	0.0093	0.0037	
2.00x1500xC	CSV8056C	1	11,040	SQ11052	B	210	328	43	L	0.0415	0.001	0.195	0.0093	0.0037	
X 2.00x1500xC	CSV8044A	1	11,020	SQ11052	B	208	327	42	L	0.0415	0.001	0.195	0.0093	0.0037	
2.00x1500xC	CSV8044B	1	10,990	SQ11052	B	208	327	42	L	0.0415	0.001	0.195	0.0093	0.0037	
*** Sub Total (030) ***		8	88,120 (kg)			< Not Welded >									
*** Grade Total ***		16	190,750 (kg)												
*** Grand Total ***		16	190,750 (kg)												

=== Last Item ===

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test. Direction : Transversal, Gauge Length : 80mm(Rectangular),
YP Method : Low Point
* Division - L : Ladle Analysis

Test Certificate is issued according to EN10204 3.1.

We hereby certify that the material herein has been made in accordance with the order and above specification.

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

Surveyor To :

Ko Jae Gon



Mill Test Certificate

Certificate No. : 190911-FC01KS-0308A4-0002

Date of Issue : Sep., 27, 2019

Order No. : 01S3875018

PO No. : D4B0098-1

Supplier : SUNGJIN CO., LTD.

(D4B0098)

Commodity : COLD ROLLED COIL

Customer : STEMCOR EUROPE

Spec & Type : EN10130 DC01

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test			Division	Chemical Composition									
						YP (MPa)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)					
2.00x1250xC	CQV6204A	1	13,930	SQ11033	B	223	332	42											
2.00x1250xC	CQV6204B	1	14,000	SQ11033	B	223	332	42	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6199A	1	14,060	SQ11033	B	217	330	41	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6199B	1	14,200	SQ11033	B	217	330	41	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6196A	1	14,030	SQ11033	B	216	332	42	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6196B	1	14,100	SQ11033	B	216	332	42	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6194A	1	14,090	SQ11033	B	222	325	41	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6194B	1	14,150	SQ11033	B	222	325	41	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6554A	1	13,940	SQ11033	B	218	331	43	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6554B	1	14,110	SQ11033	B	218	331	43	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6248A	1	14,020	SQ11035	B	223	323	41	L	0.0393	0.001	0.196	0.0100	0.0038					
2.00x1250xC	CQV6248BB	1	13,390	SQ11035	B	223	323	41	L	0.0414	0.001	0.197	0.0107	0.0034					
2.00x1250xC	CQV6247A	1	14,080	SQ11035	B	217	326	41	L	0.0414	0.001	0.197	0.0107	0.0034					
2.00x1250xC	CQV6247B	1	14,150	SQ11035	B	217	326	41	L	0.0414	0.001	0.197	0.0107	0.0034					
2.00x1250xC	CQV6371B	1	13,860	SQ11040	B	216	332	43	L	0.0414	0.001	0.197	0.0107	0.0034					
*** Sub Total (110) ***		31	424,970 (kg)			< Not Welded >			L	0.0367	0.001	0.197	0.0077	0.0040					
2.00x1500xC	CSW0817A	1	10,780	SP47794	B	208	326	41	L	0.0368	0.002	0.198	0.0073	0.0036					
2.00x1500xC	CSW0817B	1	10,790	SP47794	B	208	326	41	L	0.0368	0.002	0.198	0.0073	0.0036					
2.00x1500xC	CSV8369A	1	11,040	SP47797	B	208	324	44	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8369B	1	11,010	SP47797	B	208	324	44	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8369C	1	11,120	SP47797	B	208	324	44	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8371A	1	11,030	SP47797	B	209	323	46	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8371B	1	11,010	SP47797	B	209	323	46	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8371C	1	11,140	SP47797	B	209	323	46	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8526A	1	10,900	SP47797	B	209	326	41	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8526B	1	10,870	SP47797	B	209	326	41	L	0.0371	0.001	0.195	0.0106	0.0034					
2.00x1500xC	CSV8526C	1	11,150	SP47797	B	209	326	41	L	0.0371	0.001	0.195	0.0106	0.0034					

* Position - T : Top, M : Middle, B : Bottom
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 YP Method : Low Point
 * Division - L : Ladle Analysis

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