



# Mill Test Certificate

Certificate No. : 180125-FC01PS-0012A2-0002  
Date of Issue : Feb., 01, 2018

Order No. : 01S3002621

PO No. : D4B0227

Supplier : SUNGJIN CO., LTD.

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 (MPa)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)
X 2.00x1500xC	CBZ2819A	1	13,510	SB14032	B	226	323	41	L	0.0369	0.004	0.191	0.0105	0.0038
X 2.00x1500xC	CBZ2819B	1	14,140	SB14032	B	226	323	41	L	0.0369	0.004	0.191	0.0105	0.0038
X 2.00x1500xC	CBZ2820A	1	13,800	SB14032	B	226	325	40	L	0.0369	0.004	0.191	0.0105	0.0038
X 2.00x1500xC	CBZ2820B	1	13,780	SB14032	B	226	325	40	L	0.0369	0.004	0.191	0.0105	0.0038
2.00x1500xC	CBZ2824A	1	13,830	SB14032	B	221	320	40	L	0.0369	0.004	0.191	0.0105	0.0038
2.00x1500xC	CBZ2824B	1	13,750	SB14032	B	221	320	40	L	0.0369	0.004	0.191	0.0105	0.0038
2.00x1500xC	CBZ3354A	1	13,510	SB14032	B	218	325	39	L	0.0369	0.004	0.191	0.0105	0.0038
2.00x1500xC	CBZ3354B	1	14,030	SB14032	B	218	325	39	L	0.0369	0.004	0.191	0.0105	0.0038
2.00x1500xC	CBZ2828A	1	13,790	SB14035	B	219	318	41	L	0.0363	0.002	0.188	0.0070	0.0030
2.00x1500xC	CBZ7828R	1	13,790	SR14035	B	219	318	41	L	0.0363	0.002	0.188	0.0070	0.0030
*** Sub Total (030) ***		18	248,880 (kg)					< Not Welded >						
*** Grade Total ***		36	497,310 (kg)											
*** Grand Total ***		36	497,310 (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 :

POSCO

Pohang Works, 6262, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37877, Korea

Chief of material testing section

Ahn, Seong Soo