

4501097339



Mill Test Certificate

Certificate No. : 190322-FZ01KS-0003A1-0001
 Date of Issue : Apr., 01, 2019
 Post Treatment : PL (C-Free Phosphate)

Order No. : 01S3592493
 Supplier : SUNGJIN CO., LTD.

PO No. : DAB0081 (4501097339)
 Commodity : EG COIL(ZN)

Customer : STEMCOR

Spec & Type : DIN EN 10152 DC01+ZE

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test			Coating Metal Band Test	Coating Weight		Division	Chemical Composition				
						Y _P (MPa)	T _S (%)	EL (%)		Zn Upper	Zn Lower		C (%)	Si (%)	Mn (%)	P (%)	S (%)
1.00x1250x0.6	CRP2082A	1	11,710	SP32908	B	195	313	46	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036
1.00x1250x0.6	CRP2082B	1	11,690	SP32908	B	195	313	46	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036
1.00x1250x0.6	CRP2086A	1	11,830	SP32908	B	190	304	42	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036
1.00x1250x0.6	CRP2086B	1	11,780	SP32908	B	190	304	42	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036
*** Sub Total (0.10) ***																	
1.50x1500x0.6	CPP4391A	1	11,290	SP32927	B	190	313	46	Good	19.8	19.2	L	0.0156	0.022	0.149	0.0114	0.0041
1.50x1500x0.6	CPP4391B	1	11,260	SP32927	B	190	313	46	Good	19.8	19.2	L	0.0156	0.022	0.149	0.0114	0.0041
1.50x1500x0.6	CPP4391C	1	10,220	SP32927	B	190	313	46	Good	19.8	19.2	L	0.0156	0.022	0.149	0.0114	0.0041
1.50x1500x0.6	CPP4392A	1	11,140	SP32927	B	207	316	43	Good	17.9	19.0	L	0.0156	0.022	0.149	0.0114	0.0041
1.50x1500x0.6	CPP4392B	1	11,170	SP32927	B	207	316	43	Good	17.9	19.0	L	0.0156	0.022	0.149	0.0114	0.0041
1.50x1500x0.6	CPP4392C	1	10,240	SP32927	B	207	316	43	Good	17.9	19.0	L	0.0156	0.022	0.149	0.0114	0.0041
*** Sub Total (0.20) ***																	
0.75x1250x0.6	CSF7334A	1	11,416	SP32908	B	161	300	46	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0036
0.75x1250x0.6	CSF7334B	1	11,256	SP32908	B	161	300	46	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0036
*** Sub Total (0.30) ***																	
1.00x1500x0.6	CPP4265A	1	11,260	SP32927	B	179	306	43	Good	17.4	18.1	L	0.0159	0.022	0.140	0.0114	0.0041
1.00x1500x0.6	CPP4265B	1	9,370	SP32927	B	179	306	43	Good	17.4	18.1	L	0.0159	0.022	0.140	0.0114	0.0041
1.00x1500x0.6	CPP4265C	1	11,910	SP32927	B	179	306	43	Good	17.4	18.1	L	0.0159	0.022	0.140	0.0114	0.0041
1.00x1500x0.6	CPP4265D	1	11,200	SP32927	B	177	308	43	Good	17.5	18.7	L	0.0159	0.022	0.140	0.0114	0.0041
1.00x1500x0.6	CPP4265E	1	11,230	SP32927	B	177	308	43	Good	17.3	18.7	L	0.0159	0.022	0.140	0.0114	0.0041
1.00x1500x0.6	CPP4265F	1	10,470	SP32927	B	177	308	43	Good	17.3	18.7	L	0.0159	0.022	0.140	0.0114	0.0041
*** Sub Total (0.40) ***																	
2.00x1250x0.6	CSP4487A	1	9,320	SP32908	B	195	303	45	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036
2.00x1250x0.6	CSP4487B	1	9,330	SP32908	B	195	303	45	Good	18.0	18.0	L	0.0148	0.019	0.149	0.0081	0.0036

Test Certificate is issued according to EN10204 3.1.

* Position - T: Top, M: Middle, B: Bottom
 * Tensile Test Direction : Transversal, Gauge Length : 80mm(Reaktangulär)
 * Y_P Method : Upper Point
 * Division - L: Lade Analysis

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

Surveyor To :

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

KO Jae Gon



Mill Test Certificate

Order No. : 01S3592493

Supplier : SUNGJIN CO., LTD.

Customer : STEMCOR

PO No. : D4E0081

Commodity : EG COIL(ZN)

Spec & Type : DIN EN 10152 DC01+ZE

Certificate No. : 190322-FZ01KS-0003A1-0002
Date of Issue : Apr. 01, 2019
Post Treatment : PL (Cr-Free Phosphate)

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test			Coating Metal Band Test	Coating Weight (g/m ²)		Division	Chemical Composition				
						Y _P (%)	T _S (%)	EL (%)		Zn Upper	Zn Lower		C (%)	Si (%)	Mn (%)	P (%)	S (%)
2.00x1250x6	CSF4487C	1	9.100	SP22908	B	197	303	45	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4486A	1	9.280	SP22908	B	197	304	48	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4486B	1	9.330	SP22908	B	197	304	48	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4488C	1	8.260	SP22908	B	197	306	48	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4488A	1	8.340	SP22908	B	196	305	46	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4489B	1	9.220	SP22908	B	196	305	46	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4488C	1	9.070	SP22908	B	196	305	46	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4485A	1	9.280	SP22908	B	194	303	47	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4485B	1	9.080	SP22908	B	194	303	47	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
2.00x1250x6	CSF4485C	1	9.080	SP22908	B	194	303	47	Good	18.0	18.0	L	0.0146	0.019	0.146	0.0081	0.0033
Sub Total (052)		12	108.810 (kg)			< Not Welded											
1.50x1250x6	CPPE889A	1	10.030	SO86745	B	202	320	41	Good	17.9	18.2	L	0.0158	0.018	0.142	0.0083	0.0033
1.50x1250x6	CPPE888B	1	10.030	SO86745	B	202	320	41	Good	17.9	18.2	L	0.0158	0.018	0.142	0.0083	0.0033
1.50x1250x6	CPPE888C	1	9.300	SO86745	B	202	320	41	Good	17.9	18.2	L	0.0158	0.018	0.142	0.0083	0.0033
1.50x1250x6	CPPE847A	1	10.040	SO86748	B	194	314	43	Good	18.5	18.1	L	0.0169	0.020	0.133	0.0083	0.0028
1.50x1250x6	CPPE847B	1	10.080	SO86748	B	194	314	43	Good	18.5	18.1	L	0.0169	0.020	0.133	0.0083	0.0028
1.50x1250x6	CPPE847C	1	9.220	SO86748	B	194	314	43	Good	18.5	18.1	L	0.0169	0.020	0.133	0.0083	0.0028
Sub Total (060)		6	58.700 (kg)			< Not Welded											
1.25x1000x6	CPPE786A	1	11.630	SP23095	B	185	318	42	Good	17.2	16.7	L	0.0138	0.022	0.137	0.0089	0.0037
1.25x1000x6	CPPE786B	1	10.780	SP23095	B	185	318	42	Good	17.2	16.7	L	0.0138	0.022	0.137	0.0089	0.0037
Sub Total (070)		2	22.410 (kg)			< Not Welded											
Grand Total		33	391.180 (kg)			< Not Welded											
Grand Total		33	391.180 (kg)			< Not Welded											

Position : T : Top, M : Middle, B : Bottom
 Tensile Test Direction : Transverse, Gauge Length : 80mm(Rectangular),
 YP Method : Upper Point
 Division : L : Lead 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.

Surveyor To :

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

POSCO

Gwangyang Works, 29-26, Pookposarang-gil, Gwangyang-si, Jeollanam-do, 57807, Korea

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Chief of material testing section

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