



Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 230225-FG01KS-0036A3-0001

Date of Issue/발행일자 : Mar., 27, 2024

Post Treatment
/후처리 : XX (None Post Treatment)

Order No./계약번호 : 01S5896663
Supplier /주문자 : POSCO INTERNATIONAL CORPORATION
Customer /고객사 : POSCO-CTPC

PO No./주문번호 : AGI2211BJ-CC05T-SH
(POSCO-CTPC)
Commodity /품명 : GI COIL
Spec & Type /규격 : PGY180E-E

Size/치수	Product No. /제품번호	Quantity /수량	Weight /중량 (kg)	Heat No. /제강번호	Position	Tensile Test /인장시험				Plastic Anisotropy Test r90	Roughness Ra (μm)	Coating Weight		Division	Chemical Composition/화합성분				
						YP (N/mm²)	TS (%)	EL (%)	n			(g/m²)			C (%)	Si (%)	Mn (%)	P (%)	S (%)
												Zn Upper	Zn Lower						
0.7x1750xC	CPP7944C	1	9,840	SQ15235	B	217	357	42	0.240	2.20	1.16	57.3	60.0	L	0.0015	0.018	0.203	0.0418	0.0098
*** Sub Total (010) ***		1	9,840 (kg)			< Not Welded >													
*** Grade Total ***		1	9,840 (kg)																
*** Grand Total ***		1	9,840 (kg)								=== Last Item ===								

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

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.

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

Surveyor To :

Park, Junyoung



Order No./계약번호 : 01S5984980

PO No./주문번호 : AGI2301BJ-CC03T-A07-M
(POSCO-CTPC)Supplier
/주문자 : POSCO INTERNATIONAL CORPORATIONCommodity : GI COIL
/품명Customer
/고객사 : POSCO-CTPCSpec & Type : PGY180B-E
/규격

Size/치수	Product No. /제품번호	Quantity /수량	Weight /중량 (kg)	Heat No. /제강번호	Position	Tensile Test /인장시험				Plastic Anisotropy Test r90	Baked Hardening BH ₂ (MPa)	Roughness Ra (μm)	Roughness PPC (ea)	Roughness Wsa (μm)	Coating Weight		
						YP (N/mm ²)	TS (%)	EL (%)	n						(g/m ²)		
															Zn Upper	Zn Lower	
0.65x1250xC	CQQ0428A	1	11,910	SU98378	B	204	317	42	0.210	2.00	52	0.98	103	0.31	53.3	52.7	
*** Sub Total (010) ***		1	11,910 (kg)			< Not Welded >											
*** Grade Total ***		1	11,910 (kg)														
*** Grand Total ***		1	11,910 (kg)														
=== Last Item ===																	

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

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.

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

Surveyor To :

Park, Junyoung





Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 230315-FG01KS-0077A3-0001

Date of Issue/발행일자 : Mar., 27, 2024

Post Treatment
/후처리 : XX (None Post Treatment)

Order No./계약번호 : 01S5984980
Supplier /주문자 : POSCO INTERNATIONAL CORPORATION
Customer /고객사 : POSCO-CTPC

PO No./주문번호 : AGI2301BJ-CC03T-A07-M
(POSCO-CTPC)
Commodity /품명 : GI COIL
Spec & Type /규격 : PGY180B-E

Product No. /제품번호	Division	Chemical Composition/화학성분				
		C (%)	Si (%)	Mn (%)	P (%)	S (%)
CQQ0428A	L	0.0018	0.026	0.150	0.0194	0.0095
*** Sub Total (010) ***			1	11,910 (kg)	< Not Welded >	
*** Grade Total ***			1	11,910 (kg)		
*** Grand Total ***			1	11,910 (kg)		
=== Last Item ===						

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.

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Surveyor To :

Park, Junyoung



Order No./계약번호 : 01S5677587

PO No./주문번호 : MAC2206BJ-CC01-A08-ZD
(POSCO-CTPC)Supplier
/주문자 : POSCO INTERNATIONAL CORPORATIONCommodity : CR PosMAC1.5.Coil
/품명Customer
/고객사 : POSCO-CTPCSpec & Type : DX53D+ZM
/규격

Size/치수	Product No. /제품번호	Quantity /수량	Weight /중량 (kg)	Heat No. /제강번호	Position	Tensile Test /인장시험				Plastic Anisotropy Test r90	Roughness Ra (μ m)	Coating Weight (g/m ²)		Division	Chemical Composition/화합성분					
						YP (N/mm ²)	TS (%)	EL (%)	n			Zn-Mg Upper	Zn-Mg Lower		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Ti (%)
0.8x1205xC	CPH3511A	1	12,660	SQ02566	B	161	288	46	0.230	2.40	0.91	44.0	42.3	L	0.0017	0.002	0.062	0.0074	0.0049	0.0446
0.8x1205xC	CPH3510A	1	12,550	SQ02566	B	160	287	47	0.230	2.40	0.91	43.0	37.7	L	0.0017	0.002	0.062	0.0074	0.0049	0.0446
*** Sub Total (010) ***		2	25,210 (kg)			< Not Welded >														
*** Grade Total ***		2	25,210 (kg)																	
*** Grand Total ***		2	25,210 (kg)																	
=== Last Item ===																				

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

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.
PosMAC 1.5 is a ternary alloy coated steel of Zn-Mg-Al.

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

Surveyor To :

Park, Junyoung



Order No./계약번호 : 01S5787049

PO No./주문번호 : MAC2207BJ-CC02-A08-ZD
(POSCO-CTPC)Supplier
/주문자 : POSCO INTERNATIONAL CORPORATIONCommodity : CR PosMAC1.5.Coil
/품명Customer
/고객사 : POSCO-CTPCSpec & Type : DX53D+ZM
/규격

Size/치수	Product No. /제품번호	Quantity /수량	Weight /중량 (kg)	Heat No. /제강번호	Position	Tensile Test /인장시험				Plastic Anisotropy Test r90	Roughness Ra (μ m)	Coating Weight (g/m ²)		Division	Chemical Composition/화합성분					
						YP (N/mm ²)	TS (%)	EL (%)	n			Zn-Mg Upper	Zn-Mg Lower		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Ti (%)
0.8x1205xC	CPJ6366C	1	10,200	SP33494	B	160	296	44	0.230	2.30	0.83	54.0	56.0	L	0.0022	0.001	0.073	0.0064	0.0048	0.0476
*** Sub Total (010) ***		1	10,200 (kg)			< Not Welded >														
*** Grade Total ***		1	10,200 (kg)																	
*** Grand Total ***		1	10,200 (kg)																	
											=== Last Item ===									

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

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Surveyor To :

Park, Junyoung

