



Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 200819-RC01PS-0033A1-0001
Date of Issue/발행일자 : Aug., 28, 2020

Order No./계약번호 : 01S4353638

PO No./주문번호 : 01S4353638

Surface Finish
/표면마무리 : NO.2B

Supplier : POSCO INTERNATIONAL CORPORATION
/주출자

Commodity : STS CR AP COIL
/품명

Customer : OIKI ACCIAI INOSSIDABILI SPA
/고객사

Spec & Type : EN10088-1.4307
/규격

Size/치수 (mm x mm x m)	Product No. /제품번호	Coil /수량	Weight /중량 (kg)	Heat No. /재강번호	Form /형식	Tensile Test 인장시험 YS 0.2% YS 1.0% TS EL (%)				Hardness /경도 HV	Chemical Composition/화학성분									
											Division	C	Si	Mn	P	S	Cr	Ni	N	
1.0x1500xC 0.96x1501x905m 1.0x1500xC 0.96x1501x892m *** Sub Total (010) ***	QEG0027A QEG0027B	1 1	10,459 10,320	SD46409 SD46409	T T	294 294	332 332	635 635	54 54	164.4 164.4	L L	0.0173 0.0173	0.378 0.378	1.444 1.444	0.0330 0.0330	0.0033 0.0033	18.102 18.102	8.032 8.032	377 377	
** Heat Treatment : Solution Treatment 1000~1100°C Quenching. * No Repair Welding was Performed to the Products.																				
1.5x1500xC 1.44x1500.5x610m 1.5x1500xC 1.44x1500.5x617m 1.5x1500xC 1.43x1500.9x612m 1.5x1500xC 1.43x1500.7x613m *** Sub Total (020) ***	QEG0014A QEG0014B QEG0018A QEG0018B	1 1 1 1	10,573 10,712 10,497 10,512	SD46409 SD46409 SD46409 SD46409	T T T T	296 296 294 294	335 335 334 334	629 629 629 629	53 53 53 53	161.1 161.1 162.0 162.0	L L L L	0.0173 0.0173 0.0173 0.0173	0.378 0.378 0.378 0.378	1.444 1.444 1.444 1.444	0.0330 0.0330 0.0330 0.0330	0.0033 0.0033 0.0033 0.0033	18.102 18.102 18.102 18.102	8.032 8.032 8.032 8.032	377 377 377 377	
** Heat Treatment : Solution Treatment 1000~1100°C Quenching. * No Repair Welding was Performed to the Products.																				
2.0x1500xC 1.925x1501x476m 2.0x1500xC 1.925x1501x482m 2.0x1500xC 1.93x1501.3x460m 2.0x1500xC 1.93x1501.2x463m	QEF0963A QEF0963B QEG0325A QEG0325B	1 1 1 1	10,934 11,093 10,514 10,579	SD46408 SD46408 SD46408 SD46408	T T T T	305 305 296 296	349 349 339 339	637 637 639 639	53 53 53 53	162.6 162.6 157.1 157.1	L L L L	0.0218 0.0218 0.0218 0.0218	0.380 0.380 0.380 0.380	1.449 1.449 1.449 1.449	0.0319 0.0319 0.0319 0.0319	0.0036 0.0036 0.0036 0.0036	18.164 18.164 18.164 18.164	8.034 8.034 8.034 8.034	392 392 392 392	

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test Direction : Transversal, Gauge Length : 50mm (Rectangular),
YP Method : 0.2% off-set
* Division - L : Lade Analysis

We hereby certify that the material herein has been made in accordance with the order and above specification.
No repair welding was performed to the products.
Test Certificate is issued according to ISO 10474/EN 10204 3.1.
EN 10028-7 2016 EN 10088-2 2014 ASTM A 240-2019 ASME SA 240 2019 EN 10088-4 2009 AD 2000 WQ /W2
PED 2014/68/*EU

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

Surveyor To :

T.C. BAE



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Surface Finish
/표면마무리 : NO.2B

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : STS CR AP COIL

Customer : OIKI ACCIAI INOSSIDABILI SPA

Spec & Type : EN10088-1.4307

Size/치수 (mm x mm x m)	Product No. 제품번호	Coil 수량	Weight 중량 (kg)	Heat No. 재강번호	Position	Tensile Test 인장시험				Hardness 경도 HV	Division	Chemical Composition/화합성분									
						YS 0.2%	YS 1.0% (MPa)	TS	EL (%)			C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	N (ppm)		
1.0x1500xC 0.96x1501x905m	QEG0027A	1	10,459	SD46409	T	294	332	635	54	164.4	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
1.0x1500xC 0.96x1501x892m	QEG0027B	1	10,320	SD46409	T	294	332	635	54	164.4	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
*** Sub Total (010) ***																					
2 20,779 (kg)																					
** Heat Treatment : Solution Treatment 1000~1100°C Quenching.																					
* No Repair Welding was Performed to the Products.																					
1.5x1500xC 1.44x1500.5x610m	QEG0014A	1	10,573	SD46409	T	296	335	629	53	161.1	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
1.5x1500xC 1.44x1500.5x617m	QEG0014B	1	10,712	SD46409	T	296	335	629	53	161.1	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
1.5x1500xC 1.43x1500.9x612m	QEG0018A	1	10,497	SD46409	T	294	334	629	53	162.0	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
1.5x1500xC 1.43x1500.7x613m	QEG0018B	1	10,512	SD46409	T	294	334	629	53	162.0	L	0.0173	0.378	1.444	0.0330	0.0033	18.102	8.032	377		
*** Sub Total (020) ***																					
4 42,294 (kg)																					
** Heat Treatment : Solution Treatment 1000~1100°C Quenching.																					
* No Repair Welding was Performed to the Products.																					
2.0x1500xC 1.925x1501x476m	QEF0963A	1	10,934	SD46408	T	305	349	637	53	162.6	L	0.0218	0.380	1.449	0.0319	0.0036	18.164	8.034	392		
2.0x1500xC 1.925x1501x482m	QEF0963B	1	11,093	SD46408	T	305	349	637	53	162.6	L	0.0218	0.380	1.449	0.0319	0.0036	18.164	8.034	392		
2.0x1500xC 1.93x1501.3x460m	QEG0325A	1	10,514	SD46408	T	296	339	639	53	157.1	L	0.0218	0.380	1.449	0.0319	0.0036	18.164	8.034	392		
2.0x1500xC 1.93x1501.2x463m	QEG0325B	1	10,579	SD46408	T	296	339	639	53	157.1	L	0.0218	0.380	1.449	0.0319	0.0036	18.164	8.034	392		

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test Direction : Transversal, Gauge Length : 50mm (Rectangular),
* YP Method : 0.2% off-set
* Division - L : Ladle Analysis

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PED 2014/68/*EU

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T.C. BAE

posco

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Commodity : STS CR AP COIL
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Spec & Type : EN10088-1.4307
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Size/치수 (mm x mm x m)	Product No. /제품번호	Coil /수용	Weight /중량 (kg)	Heat No. /재검번호	Pos. /위치	Tensile Test /인장시험 YS 0.2% (N/mm ²) YS 1.0% (N/mm ²) TS (%) EL (%)	Hardness /경도 HV	Division	Chemical Composition/화합성분 C (%) Si (%) Mn (%) P (%) S (%) Cr (%) Ni (%) N (ppm)
1.0x1500xC 0.98x1501x905m	QEG0027A	1	10.459	SD46409	T	294 332 635 54	164.4	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.0x1500xC 0.96x1501x892m	QEG0027B	1	10.320	SD46409	T	294 332 635 54	164.4	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
*** Sub Total (010) ***									
2 20,779 (kg)									
** Heat Treatment ** Solution Treatment 1000~-1100°C Quenching.									
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1.5x1500xC	QEG0014A	1	10.573	SD46409	T	296 335 629 53	161.1	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.44x1500.5x610m	QEG0014B	1	10.712	SD46409	T	296 335 629 53	161.1	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.5x1500xC	QEG0018A	1	10.497	SD46409	T	294 334 629 53	162.0	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.43x1500.9x612m	QEG0018B	1	10.512	SD46409	T	294 334 629 53	162.0	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.5x1500xC	QEG0018B	1	10.512	SD46409	T	294 334 629 53	162.0	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
1.43x1500.7x613m	QEG0018B	1	10.512	SD46409	T	294 334 629 53	162.0	L	0.0173 0.378 1.444 0.0330 0.0033 18.102 8.032 377
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1.925x1501x476m	QEF0963B	1	11.093	SD46408	T	305 349 637 53	162.6	L	0.0218 0.380 1.449 0.0319 0.0036 18.164 8.034 392
2.0x1500xC	QEG0325A	1	10.514	SD46408	T	296 339 639 53	157.1	L	0.0218 0.380 1.449 0.0319 0.0036 18.164 8.034 392
1.93x1501.3x460m	QEG0325B	1	10.579	SD46408	T	296 339 639 53	157.1	L	0.0218 0.380 1.449 0.0319 0.0036 18.164 8.034 392
1.93x1501.2x463m	QEG0325B	1	10.579	SD46408	T	296 339 639 53	157.1	L	0.0218 0.380 1.449 0.0319 0.0036 18.164 8.034 392

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Surveyor To :

T.C.BAE

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

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Chief of material testing section Bae, Tae Chul