

CERTIFICATES LIST

"MANWAY DOORS & MANHOLE COVERS"

CLIENTE: CUSTOMER:	- - -	ALLA C.A. ATTENTION TO:	-
ORDINE: ORDER:	-	COMMESSA: JOB:	OVC 140383

PRODOTTO PRODUCT

ARTICOLO: ITEM:	522	TELAIO: FRAME:	60X8	MATERIALE: MATERIAL:	AISI 304
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LISTA COMPONENTI DEL PRODOTTO

COMPONENTE: VESSEL PART:	LOTTO: LOT:	CODICE CODE:	MATERIALE MATERIAL	FORNITORE SUPPLIER	CERTIFICATO CERTIFICATE	COLATA HEAT
COPERCHIO COVER	M11068	101 020	AISI 304		4309/U01178/1	T00948
TELAIO FRAME	M110010	TLA2.400.60X8	AISI 304		2008K0052963	822005
GUARNIZIONE GASKET	Standard	120617 EPDM	EPDM BLACK		012/2007	

ARTEN SNC DICHIARA CHE IL PRODOTTO FORNITO SI DICHIARA CONFORME AI DISEGNI/CATALOGHI ED ALLE PROPRIE PROCEDURE DI COSTRUZIONE

The ARTEN SNC declares that the product is PROVIDED in accordance with our DRAWINGS
and to our construction procedures.

IL COMPILATORE



ARTEN SNC di Mora & C.

Via Campi Grandi, 2 - 25080 PREVALLE (BS)

Tel.: +39 030 6801458 - Fax: +39 030 6801253

P. IVA IT: 00515440170 - P. IVA IT: 00726350986

COMPONENTE: VESSEL PART:	LOTTO: LOT:	CODICE CODE:	MATERIALE MATERIAL	FORNITORE SUPPLIER	CERTIFICATO CERTIFICATE	COLATA HEAT
COPERCHIO COVER	M11068	101 020	AISI 304	OIKI ACCIAI SPA 7687 / 2011	4309/U01178/1	T00948

الشركة المتحدة للستيل مسجل في م ب (م)
تيليفون: +973 (17 359359) فاكس: +973 (17 359300)
ص.ب.: 50590
الحد، مملكة البحرين



UNITED STAINLESS STEEL COMPANY BSC(C)
Telephone No.: (+973) 17 359359 Fax No.: (+973) 17 359300
P.O. Box: 50590
Hidd, Kingdom of Bahrain

ORIGINAL

MILL TEST CERTIFICATE

Customer: OIKI SPA
Address: IT-43100-PARMA, ITALY VIA PARADIGMA, 95/A, P.O. Box, Parma I-43100 ITALY
Surface Condition: 2B
Supply Condition: CRCAIP
Specification: EN 10088 1.4307, EN ISO 9445
Heat Treatment: 1010 - 1150 °C/AIR

Customer Order No.: U01175
Delivery Note No.: 4309
Invoice No.: 2011-00221
Test Certificate No.: 4309/U01175/1
L/C Number:
L/C Issuing Bank:

Sales Order No.: U01175
Customer Order No.:
E-mail DTD on 14/12/2010

Total Invoice Net Weight: 20230,0 Kg
Test Certificate According To: EN 10204 3.1

Chemical Analysis (%)										Mechanical & Physical Properties										
Cast No.	C	Si	Mn	P	S	N	Cr	Mo	Ni	Coil No. Position/ Orientation	Qty.	Dimensions "mm"	Position: F= Front, B= Back, Orientation: T= Transverse, L= Longitudinal	Rp 0.2 N/mm2	Rm N/mm2	A50 HR15T HR30T	A50 HR15T HR30T	%	HR15T HR30T	
Min.							17,0000		8,0000											
Max.	0,0300	1,0000	2,0000	0,0450	0,0100	0,1100	15,5000		10,0000											
T00948	0,0140	0,4600	1,5100	0,0280	0,0020	0,0020	18,1300		0,0020	B01856	1	1,50 x 1250,0	FT	352,5	378,7	408,7	63,0	91	78	86,7
										BT			BT	319,6	375,1	687,9	51,4			86,8
T00950	0,0230	0,4900	1,6200	0,0310	0,0010	0,0200	16,0400		0,0300	B01978	1	0,80 x 1250,0	FT	307,5	343,4	694,9	54,5	82,0		
										BT			BT	308,9	348,3	694,1	53,8	83,4		
T00945	0,0200	0,4300	1,6200	0,0300	0,0010	0,0400	16,0000		8,0000	B02006	1	0,50 x 1250,0	FT	264,0	311,7	627,3	58,0	76,2		
										BT			BT	274,9	360,7	695,2	54,0	77,8		
T00984	0,0200	0,5100	1,5300	0,0430	0,0010	0,0400	18,1500		8,1100	B02031	1	1,00 x 1600,0	FT	289,0	318,7	653,0	54,6	83,4		
										BT			BT	342,8	383,2	685,2	53,0	83,8		



Cleanliness:

Resistance to Intergranular Corrosion:

Approved by:

Date: 13-02-2011


Certificate #: OC_4309_110213_1616_XI.S

Pages: 1

13-02-2011

All Test Certificates issued by USCO will be impregnated with an USCO watermark logo. Any recipient of a copy of an USCO Test Certificate without watermarking should ensure from the supplier that it is a true and accurate reproduction of the original.
We Carry that the above material has been inspected and tested and complies with the requirements of the order and specification. (Note that when more than one specification is involved, only the mechanical and physical properties and cast chemical composition are certified to the requirements of individual specifications. Compliance with other specification requirements e.g. dimensional tolerance are as stated in our order acknowledgment.)

COMPONENTE: VESSEL PART:	LOTTO: LOT:	CODICE CODE:	MATERIALE MATERIAL	FORNITORE SUPPLIER	CERTIFICATO CERTIFICATE	COLATA HEAT
TELAIO FRAME	M110010	TLA2.400.60X8	AISI 304	OIKI ACCIAI SPA 4672 / 2011	2008K0052963	822005

 <p>ArcelorMittal Maatschappelijke zetel: ArcelorMittal - Stainless Belgium NV/SA Konink Albert II-steen 35, 1030 Brussel, Belgium Correspondentieadres: ArcelorMittal Bank - Stainless Europe Swinnowaerweg 5, 3500 Genk, Belgium Tel. +32 (0)88 30 21 11</p>		<p>MILL CERTIFICATE BS EN 10204/3.1 CERTIFICAT DE RECEPTION NF EN 10204/3.1 ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1</p> <p>Approved sec. AD 2000-Mandület WVT/ELD 101 by TÜV SÜD Industrie Service GmbH Certified acc. PED 97/23/EC Annex I § 4.3 by Certification Body 0235 of TÜV SÜD Industrie Service GmbH with certifi. No. 3142017/MS/C. Remained of counter signature agreed by TÜV SÜD (3/5/2007).</p>		<p>N-N-N 2008K0052963</p>		
<p>Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer / -61675/130/04 Packing list: 2008K840985</p>		<p>Surveyor's mark Cachet de l'expert Stempel des Werkssachverständigen</p> <p>AMSE</p>	<p>Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfänger S. I. P. I. S. P. A.</p>		<p>Purchaser's order number N° de commande client Kundenbestellnummer PRIME</p>	
<p>Product - Produit - Erzeugnis COILS, HOT ROLLED, ANNEALED AND PICKLED COILS, LAMINE A CHAUD, RECUEITS + DECAPÉ COILS, WARMGALANIS, GEGLÜHT UND GEBEIST</p>		<p>VIA SCIASCIA, 6/A 43100 FARMIA, FR ITALIE</p>		<p>Customer article number N° Partie client Artikelnummer des Kunden</p>		
<p>Steel designation Désignation de l'acier Stahlbezeichnung EN 10088-2/05 X5CrNi 1.4301 EN 10028-7/08 X5CrNi 1.4301 AMSE SA 240-07 TYPE 304 ASTM A 240 (M) -08 TYPE 304</p>		<p>Finish Présentation Ausführung 1D 1D NO 1 NO 1</p>	<p>Steelmaking process Méthode d'élaboration de l'acier - Stahlherstellungsverfahren Electric arc furnace-VOD/AOD-Continuous casting Four à arc-VOD/AOD-Coulée continue Elektro-Ofen-VOD/AOD-Stranggussanlage</p>		<p>Product delivery condition Etat de livraison du produit Lieferzustand Sealless coated: Hypertemp: Losungszugfestigkeitsbereich: 1050 C</p>	
<p>Any supplementary requirements Prescriptions supplémentaires - Zusätzliche Anforderungen X5 CRNI 16-10</p>		<p>AD 2000 W2/2006 -- AD 2000 W10/2007 -- EN 13445-2/2002</p>				
<p>Identification of the product Identification du produit - Identifizierung des Erzeugnisses</p>		<p>Dimensions Dimensionales - Abmessungen</p>		<p>Number of pieces Nombre de pièces - Stückzahl 1</p>		
<p>Coil n. N° de bobine - Band Nr. 82200512</p>	<p>Heat n. N° de coulée - Schmelz Nr. 822005</p>	<p>Thickness Épaisseur - Dicke 8.00 mm</p>	<p>Width Largeur - Breite 1250.00 mm</p>	<p>Length Longueur - Länge</p>	<p>Net weight Poids net - Netto Gewicht 26960 KG</p>	
<p>CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG</p>						
<p>Required-Exigé Anforderung</p>		<p>Cast Analysis Analyse coulée</p>		<p>Analysis Schmelze</p>		
<p>C 0.070 Si 0.75 Mn 2.00 Ni 9.00 Cr 18.50 Mo 19.50</p>		<p>C 0.041 Si 0.66 Mn 1.39 Ni 8.08 Cr 18.14</p>		<p>N 0.100 S 0.015 P 0.045</p>		
<p>Tests to verify batch and quality have been carried out : OK Test de vérification de la conformité de la matière fournie : OK Verwechslungsprüfung wurde durchgeführt : OK</p>		<p>Band test results are satisfactory EN ISO 7438 Les essais de pliage sont satisfaisants 160 ° c ok Ergebnisse des Biegeversuchs entsprechen den Vorschriften</p>				
<p>MECHANICAL PROPERTIES - PROPRIÉTÉS MÉCANIQUES - MECHANISCHE WERTE EN 10002-1</p>						
<p>Location (1) Emplacement de l'échantillon Lage des Probenabschnitte 1. Front - Début - Anfang 2. Back - Fin - Ende 3. Middle - Milieu - Mitte</p>		<p>Room temperature - Température ambiante - Raumtemperatur</p>		<p>Test Temperature :</p>		
<p>Direction (2) Anforderung min maxi</p>		<p>Yield strength Limite d'élasticité Dehngrenze MPa Rp 0.2 % Rp 1 %</p>		<p>Tensile strength Résistance à la traction Zugfestigkeit MPa Rm</p>		
<p>1 T</p>		<p>210 250 329 364</p>		<p>45 45 53 55</p>		
<p>Impact strength test Essai de résilience Kerbschlagmehlgkeitstest C40 Temp. C46</p>		<p>Corrosion test Test de corrosion Korrosionstest EN ISO 3651/2 : ON Internal Cleanliness : D51</p>		<p>Elongation after fracture (A) Allongement après rupture Bruchdehnung % A5 50mm HRB C30 Rp 0.2 % Rp 1 % Rm A5</p>		
<p>Direction of the test pieces (2) Orientation des éprouvettes Probenrichtung T. Transverse - Transvers - Quer L. Longitudinal - Long - Länge</p>		<p>EN ISO 3651/2 : ON Internal Cleanliness : A: B: C: D: C57</p>		<p>Hardness Dureté Haerte 92 90</p>		
<p>The delivery is in accordance with the order La fourniture est conforme aux exigences de la commande Die Lieferung entspricht den Bestellbedingungen</p>		<p>Organisation inspection Organisme et/ou service contrôle Überwachungsabteilung Quality Department 05/12/2008 S. HILLEN</p>		<p>The inspector Le responsable Der Werkssachverständige</p>		