

M.E.G.A.

CLIENTE
Customer
Client

PROVEEDORA DE MATERIALES ANGER
SA DE CV
ALFONSO REYES 4030 NTE.
COL. DEL NTE. MONTERREY. N.L.

CERTIFICATE N.
Certificate N.

572147 FOLIO 2
Sheet 2

DATA / Date

02/08/10

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE
Purchase order
Commande 241

COMMESSA
Job No.

90498
Confirmation de commande

PROVA Test Epreuve	MATERIALE Material / Matériau	COLATA Heat / Coudre	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
PXLX	ASTM A105/09	6022-09	0.188 --->	0.230 Nb % = 0.001	1.010 N % = 0.0074	0.003 Sn % = 0.008	0.004	00.06	00.14	0.050	0.000	0.130	0.002	0.022	0.396 CE % = 0.3563
KRRA	ASTM A105N/05	972235	0.160 --->	0.290 Nb % = 0.000	0.860 N % = 0.000	0.005 Sn % = 0.000	0.011	00.18	00.11	0.030	0.000	0.110	0.005	0.000	0.360 CE % = 0.3033
PBCC	ASTM A105/05	37036	0.140 --->	0.240 Nb % = 0.000	0.910 N % = 0.000	0.004 B % = 0.0002	0.008	00.11	00.04	0.010	0.000	0.060	0.003	0.018	0.322 CE % = 0.291
PWDX	ASTM A105/05	37036	0.140 --->	0.240 Nb % = 0.000	0.910 N % = 0.000	0.004 B % = 0.000	0.008	00.11	00.04	0.010	0.000	0.060	0.003	0.000	0.322 CE % = 0.291

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SMEVAMENTO MPa z Yield strength Limite d'élasticité	ROTTURA MPa z Tensile strength Rupture	ALLUNGAMENTO % z Elongation Allongement	CONTRAZIONE % z Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHNACC Flat. test. Acuitas	RESILLENZA Impact test / Resilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITA' MIS. UM Unit	TRFD Type	T. °C Test temp.	VALORE / Value / Données
PXLX	1	30.6	25.0	305.0	527.0	32.3	69.5	143-152		J	KV	0	44-56-54
KRRA	1	60.4	35.0	402.3	569.3	30.5	72.5	165-172		J	KV	0	168-156-174
PBCC	1	30.1	25.0	407.2	585.3	32.0	79.4	165-170		J	KV	0	182-174-160
PWDX	1	58.6	35.0	387.2	553.3	27.4	75.2	158-162		J	KV	0	124-138-166

PROVA Test Epreuve: NOTE / Remarks / Notes: EN10204/3.1

FORMA Shape / Forme: 1 = □ 2 = ▭

PXLX ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10875.MEGA/I*570637MEGA
 KRRA ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.08317.97 DALMINE*552265MEGA*
 PBCC ELECT.FURNACE-NORMALIZED AT 850 C COOLED IN STILL AIR. /CERT.23363Mu07.V&M*558761MEGA*
 PWDX ELECT.FURNACE-NORMALIZED AT 850 C COOLED IN STILL AIR. /CERT.23363Mu07.V&M*569176MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITA' Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
PXLX	037	1000	60015	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/2	OK
KRRA	045	700	64012	COUPLING S. 3000 SW A/SA105N 1.1/4	OK
PBCC	046	23	64015	COUPLING S. 3000 SW A/SA105N 1.1/2	OK
PWDX	046	1477	64015	COUPLING S. 3000 SW A/SA105N 1.1/2	OK

NOTE / Remarks / Notes: MATERIAL ACCORDING TO NACE MR0175/2003

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspection CPT
Responsible assurance quality

DOC. CERT. M.E.G.A.
Simone Piffaioletti