

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 549889
Certificate N. 549889
Certificat N. 549889
FOGLIO 1
Sheet 1
Folio 1
DATA / Date 15/05/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 221
Purchase order
Commande

COMMESSA 84506
Job N. 84506
Confirmation de commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulee	C%	Si%	Mn%	S%	P%	Cr%	Ni%	Mo%	Ti%	Cu%	V%	Al%	CE%
RUCT	ASTM A105/05	AC2698	0.195 --->	0.210	0.940	0.005	0.011	00.14	00.09	0.020	0.000	0.170	0.000	0.026	0.400 CES= 0.351
RUCS	ASTM A105/05	07/78382	0.180 --->	0.200	0.910	0.009	0.012	00.08	00.05	0.010	0.000	0.180	0.000	0.025	0.364 CES= 0.331
RATX	ASTM A105/05	1T 25204	0.200 --->	0.190	0.850	0.014	0.012	00.10	00.07	0.010	0.014	0.150	0.003	0.027	0.378 CES= 0.341
RWXA	ASTM A105/05	9164-07	0.190 --->	0.197	1.000	0.005	0.009	00.10	00.20	0.050	0.000	0.230	0.003	0.022	0.415 CES= 0.356
RCTS	ASTM A105/05	S21194	0.229 --->	0.220	0.940	0.009	0.013	00.13	00.17	0.010	0.000	0.290	0.010	0.022	0.446 CES= 0.351
RXTB	ASTM A105/05	07/78825	0.200 --->	0.180	0.910	0.009	0.012	00.08	00.05	0.010	0.000	0.160	0.019	0.021	0.387 CES= 0.351

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO Yield point Limite d'élasticité	ROTTURA Tensile strength Rupture	ALLUNGAMENTO % Elongation Allongement	CONTRAZIONE % Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flat. test Aplatisse.	RESILLENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	T °C Test temp	VALORE / Value / Données
RUCT	1	30.6 25.0	315.0	535.0	29.1	67.3	150-156			J	KV	0	50-54-52
RUCS	1	60.1 35.0	299.0	523.0	31.7	68.4	140-146			J	KV	0	54-50-48
RATX	1	60.1 35.0	303.0	522.0	32.1	68.4	143-149			J	KV	0	56-50-48
RWXA	1	122.6 50.0	320.0	533.0	29.0	67.0	152-160			J	KV	0	50-52-54
RCTS	1	123.1 50.0	353.3	556.3	27.0	59.4	156-159			J	KV	0	48-54-56
RXTB	1	122.6 50.0	310.0	535.0	29.0	67.2	149-156			J	KV	0	52-48-50

PROVA NOTE / Remarks / Notes EN10204/3.1
FORMA Shape / Forme : 1 = Ø 2 = □

RUCT ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.130.EVASI*544875MEGA*
RUCS ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.121.EVASI*543955MEGA*
RATX ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9379.MEGA/I*542257MEGA*
RWXA ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9556.MEGA/I*546350MEGA*
RCTS ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.491*CARLOTTO*539529 MEGA*
RXTB ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.1808.CARLOTTO*544877MEGA*

PROVA Test Epreuve	POS. Item Pos	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RUCT	001	5000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
RUCS	002	5000		90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
RATX	005	1000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK
RWXA	007	150		90 DEG. ELBOW S. 3000 NPT A/SA105N 2.1/2	OK
RCTS	021	4		TEE S. 3000 NPT A/SA105N 1.1/2	OK
RXTB	021	996		TEE S. 3000 NPT A/SA105N 1.1/2	OK

PLEASA ANAHUAC Y CIA. S.A. DE C.V.
CONTROL DE CALIDAD
FECHA 25 Mar 2010
E553
E. RUIZ
FIRMA _____
ENNE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official
CAPO COLLAUDO
Supervisor
Responsable assurance qualité

MATERIAL ACCORDING TO NACE MR0175/ 2003.

DOC. CERT. M.E.G.A.
CENTEMERI EMMANUE