

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 549889 F0GLIO 1
Certificat N. Sheet
Certificat N. Feuille

DATA / Date 15/05/08

COMMESSA 84506
Job N.
Confirmation de commande

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 221
Purchase order
Commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	A1%	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 CEs=	0.400 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 CEs=	0.364 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 CEs=	0.378 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 CEs=	0.415 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 CEs=	0.446 0.446
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	0.018	0.021 CEs=	0.387 0.351

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		SNERVAMENTO N/mm ² ≥ Yield point Limite d'élasticité	ROTTURA N/mm ² ≥ Tensile strength Rupture	ALLUNGAMENTO % ≥ Elongation Allongement	CONTRAZIONE % ≥ Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flatt. test Aplattiss.	RESILIENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	T. °C Test tmp	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 Test Epreuve 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

NOTE / Remarks / Notes

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspection DPT
Responsable assurance qualité

MATERIAL ACCORDING TO NACE MR0175/ 2003.

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