

FORM PR0 Rev. 0 15-05-2009

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. 570971 FOGLIO 6
Certificate N. Sheet
Certificat N. Feuille
DATA / Date 08/06/10

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 244
Purchase order
Commande

COMMESSA 91349
Job N.
Confirmation de commande

PROVA Test Epreuve	MATERIALE Material / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
FNTB	ASTM A105/05	05/78037	0.185 --->	0.180 Nb% 0.001	0.940 0.001	0.006 Sn% 0.009	0.015 B % 0.000	00.12	00.06	0.010	0.018	0.240	0.020	0.020	0.391 CEs=0.3417
PRLU	ASTM A105/05	0835649/08	0.200 --->	0.250 Nb% 0.0026	1.120	0.001	0.011	00.11	00.01	0.004	0.000	0.025	0.003	0.038	0.412 CEs=0.3867
RRLT	ASTM A105/05	7441/07 FC-AV	0.190 --->	0.180 Nb% 0.001	0.960	0.006	0.008	00.06	00.04	0.010	0.000	0.120	0.016	0.022	0.377 CEs=0.350

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		SNERVAMENTO MPa _z Yield strength Limite d'élasticité	ROTTURA MPa _z Tensile strength Rupture	ALLUNGAMENTO % Elongation Allongement	CONTRAZIONE % Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flat. test Aplatiss.	RESILLENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. UM	T. °C Test temp	TIPO Type	VALORE / Value / Données
FNTB	1	30.6 25.0	306.0	523.0	32.1	68.9	143-149			J	KV	0	42-44-46
PRLU	1	30.6 25.0	333.0	543.0	28.2	63.8	156-170			J	KV	0	50-52-56
RRLT	1	122.6 50.0	304.0	526.0	32.1	68.4	146-150			J	KV	0	48-50-56

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 = 2 =

FNTB ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10485.MEGA/I*564290 MEGA
PRLU ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10679.MEGA/I*567588MEGA
RRLT ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.1267.CARLOTTO*542724MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
FNTB	061	1000		45 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
PRLU	062	1000		45 DEG. ELBOW S. 3000 SW A/SA105N 3/4	OK
RRLT	063	1000		45 DEG. ELBOW S. 3000 SW A/SA105N 1	OK

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

ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Office

CAPO COLLAUDO Chief Inspection DPT Responsible assurance qualité

DOC. CERT. M.E.G.A.
Emmanuel Centemeri