

FORMA P.N.C. Rev. 0 15/06/2000

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.
Certificato N.
Certificate N.

574670

FOLIO
Sheet
Folio

1

DATA / Date

15/12/10

COMMESSA
Job N.
Confirmation de commande

91349

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE
Purchase order
Commande

244

PROVA Test Epreuve	MATERIALE Material / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
PTNC	ASTM A105/05	09/78897	0.185	0.220	0.870	0.009	0.011	00.11	00.05	0.010	0.022	0.140	0.019	0.023	0.370
			--->	Nb % = 0.002				Sn % = 0.008						CEs = 0.330	
PWAR	ASTM A105/05	T61575	0.180	0.200	1.100	0.010	0.018	00.04	00.06	0.050	0.000	0.160	0.020	0.000	0.399
			--->	Nb % = 0.000										CEs = 0.3633	
PKFC	ASTM A105/09	09/79252	0.200	0.250	0.900	0.010	0.010	00.08	00.05	0.010	0.018	0.160	0.024	0.027	0.386
			--->	Nb % = 0.002				Sn % = 0.008						CEs = 0.350	
PXNL	ASTM A105/09	09/79373	0.180	0.180	0.880	0.010	0.011	00.09	00.05	0.010	0.020	0.130	0.018	0.027	0.362
			--->	Nb % = 0.001				Sn % = 0.008						CEs = 0.3267	
PARC	ASTM A105/05	09/77966	0.195	0.210	0.940	0.010	0.013	00.10	00.06	0.010	0.017	0.170	0.016	0.023	0.392
			--->	Nb % = 0.001	B % = 0.000			Sn % = 0.010						CEs = 0.3517	
PRXU	ASTM A105/05	0941774/09	0.180	0.220	1.090	0.002	0.008	00.13	00.01	0.003	0.000	0.021	0.003	0.030	0.391
			--->	Nb % = 0.003	B % = 0.000									CEs = 0.3617	

PROVA Test Epreuve	PROVETTA Test specimen / Eprouvette		SMERNAMENTO MPa ≥ Yield strength Limites d'élasticité	ROTTURA MPa ≥ Tensile strength Rupture	ALLUNGAMENTO % ≥ Elongation Allongement	CONTRAZIONE % ≥ Reduction of area Striction	DUREZZA HB Hardness Durezza	PIEGA Bend test Pliage	SCHIACC. Flatt. test Aplatiss.	RESISTENZA Impact test / Résistance			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. UM	T. °C Type	VALORE / Value / Donnée	
PTNC	60.1	35.0	302.0	523.0	23.2	68.3	143-149			J	KV	0	42-46-44
PWAR	58.8	35.0	401.8	565.7	26.8	75.7	168-172			J	KV	0	138-140-156
PKFC	30.6	25.0	301.0	523.0	31.4	68.9	143-152			J	KV	0	36-48-44
PXNL	60.1	35.0	301.0	525.0	32.2	69.1	143-149			J	KV	0	42-46-46
PARC	120.7	50.0	325.1	508.2	26.0	76.5	143-146			J	KV	0	130-124-112
PRXU	60.1	35.0	306.0	527.0	32.5	68.9	143-149			J	KV	0	42-46-44

PROVA
Test
Epreuve

NOTE / Remarks / Notes

EN10204/3.1

FORMA
Shape / Forme : 1 = □ 2 = □

PTNC	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10681.MEGA/I*567588HEGA
PWAR	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10/01/000720/01 VALCOVNA*568373MEGA*
PKFC	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.11013.MEGA/I*572139MEGA*
PXNL	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10803.MEGA/I*569704MEGA*
PARC	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10478.MEGA/I*564290 MEGA
PRXU	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10615.MEGA/I*567064MEGA

PROVA Test Epreuve	POS. Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
PTNC	071	3000		TEE S: 3000 SW A/SA105N 2	OK
PWAR	084	2000		COUPLING S. 3000 SW A/SA105N 2	OK
PKFC	102	500		90 DEG. ELBOW S. 6000 SW A/SA105N 3/4	OK
PXNL	104	300		90 DEG. ELBOW S. 6000 SW A/SA105N 1.1/2	OK
PARC	105	92		90 DEG. ELBOW S. 6000 SW A/SA105N 2	OK
PRXU	105	208		90 DEG. ELBOW S. 6000 SW A/SA105N 2	OK

NOTE / Remarks / Notes	ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Official	CAPO COLLAUDO Chief Inspection DPT Responsable essai / Inspection qualif
MATERIAL ACCORDING TO NACE MR0175/2003		DOC. CERT. M.E.G.A. Emanuela Centemeri