

M.E.G.A.

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

CLIENTE
 Customer
 Client

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

CERTIFICATO N. 580752 FOLGIO 1
 Certificate N. Sheet
 Certificat N. Feuille

DATA / Date 19/09/11

COMMESSA 91349
 Job N.
 Confirmation de commande

ORDINE 244
 Purchase order
 Commande

PROVA Test Epreuve	MATERIALE Material / Matière	COLATA Heat / Ceuille	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
PNUN	ASTM A105/05	09/78897	0.185 -->	0.220 Nb% = 0.002	0.870 0.002	0.009 B % = 0.000	0.011 0.000	0.110 Sn% = 0.008	0.050 0.008	0.010 0.004	0.022 0.000	0.140 0.023	0.019 0.003	0.023 0.033	0.370 0.376
PTRR	ASTM A105/05	0835652/08	0.175 -->	0.195 Nb% = 0.0024	1.060 0.0024	0.007 B % = 0.000	0.013 0.000	0.105 0.000	0.016 0.004	0.004 0.000	0.000 0.000	0.023 0.021	0.003 0.018	0.025 0.025	0.3517 0.402
PXRC	ASTM A105/09	08/76075	0.200 -->	0.240 Nb% = 0.000	0.940 0.000	0.007 0.000	0.014 0.000	0.110 Sn% = 0.011	0.060 0.011	0.010 0.010	0.016 0.016	0.210 0.150	0.018 0.010	0.025 0.025	0.3567 0.386
ULUA	ASTM A105/09	10/33166	0.200 -->	0.220 Nb% = 0.001	0.910 0.001	0.007 B % = 0.000	0.008 0.000	0.080 Sn% = 0.007	0.070 0.007	0.010 0.010	0.016 0.016	0.150 0.150	0.010 0.010	0.025 0.025	0.386 0.3517

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO MPa ≥ Yield strength Limite d'élasticité	ROTTURA MPa ≥ Tensile strength Rupture	ALLUNGAMENTO % ≥ Elongation Allongement	CONTRAZIONE % ≥ Reduction of area Striction	DUREZZA HB Hardness Dureté	PIEGA Bend test Pliage	SCHIACC. Flat. test Aplattiss.	RESILLENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. UM	TIPO Type	T. °C Test temp	VALORE / Value / Données
PNUN	121.5	50.0	370.8	526.1	30.6	73.4	140-143			KV	0	108-96-124	
PTRR	30.6	25.0	303.0	522.0	32.2	68.9	137-149			KV	0	42-44-44	
PXRC	30.6	25.0	302.0	523.0	32.2	68.9	143-149			KV	0	38-46-44	
ULUA	60.1	35.0	295.0	506.0	33.9	71.2	137-146			KV	0	34-46-44	

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

PNUN	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.18369.RIVA*566929MEGA*
PTRR	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10824.MEGA/I*569705MEGA*
PXRC	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10912.MEGA/I*571097MEGA
ULUA	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.11257.MEGA/I*575710MEGA

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
PNUN	080	2000		COUPLING S. 3000 SW A/SA105N 3/4	OK
PTRR	068	260		TEE S. 3000 SW A/SA105N 1	OK
PXRC	068	240		TEE S. 3000 SW A/SA105N 1	OK
ULUA	091	200		90 DEG. ELBOW S. 6000 NPT A/SA105N 1.1/2	OK

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

ENTE UFFICIALE DI COLLAUDO
 Inspection Authority
 Service Inspection Officer

CAPO COLLAUDO
 Chief Inspection DPT
 Responsable assurance qualité

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