

MEGA

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

CERTIFICATO N. 249137 FOLGIO 1
 Certificate N. Sheet
 Certificat N. Feuille
 DATA / Date 05/08/04

CERTIFICATO DI COLLAUDO
 TEST CERTIFICATE
 CERTIFICAT DE CONTROLE

COMPANY
 WITH QUALITY SYSTEM
 CERTIFIED BY DNV
 ISO 9001

ORDINE Purchase order
 Commande
 P.O. NO. 172

COMMESSA Job N. 72881
 Confirmation de commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
3CNX	ASTM A105N/01	5207	0.180	0.210	0.790	0.010	0.012	00.10	00.11	0.025	0.000	0.260	0.003	0.002	0.361
CBDU	ASTM A105N/02	73360	0.190	0.200	0.890	0.010	0.010	00.06	00.06	0.010	0.018	0.180	0.019	0.028	0.372
CBFC	ASTM A105N/01	73349	0.190	0.170	0.950	0.024	0.011	00.09	00.06	0.010	0.010	0.200	0.002	0.005	0.386
CDA	ASTM A105N/01	60622/02.3	0.190	0.200	1.030	0.010	0.008	00.20	00.10	0.010	0.014	0.130	0.003	0.012	0.419
CDAT	ASTM A105N/01	56387/01.3	0.190	0.220	0.970	0.012	0.007	00.15	00.13	0.027	0.019	0.130	0.001	0.014	0.404
CFTT	ASTM A105/02	1T 9883	0.190	0.250	0.890	0.008	0.009	00.04	00.09	0.010	0.003	0.160	0.000	0.022	0.364

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		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 / Valeur / Données
3CNX	1	122.6	50.0	318.0	531.0	30.7	67.3	159		J	KV	0	44-60-60
CBDU	1	30.6	25.0	296.0	542.0	28.2	66.4	140-148		J	KV	-5	48-40-42
CBFC	1	126.6	50.0	323.0	534.0	32.0	60.0	163-165		0	KV	0	50-52-60
CDA	1	30.6	25.0	342.0	524.0	28.6	64.2	156-160		J	KV	0	48-42-46
CDAT	1	30.6	25.0	302.0	508.0	31.2	70.4	145-150		J	KV	20	60-66-70
CFTT	1	30.6	25.0	302.0	526.0	32.4	68.3	143-149		J	KV	-5	50-40-36

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1B ** DIN 50049 3.1B. FORMA Shape / Forme : 1 = 2 =

3CNX ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /2048/2.93 METALFAR*54368 MEGA*Nb=.001%*
 CBDU ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.122.02 ISMA*209672 MEGA
 CBFC ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.301.02 METALFAR
 CDA ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /Cod:ML-FL*CERT.10226,02 METALM.LOMB*NUT
 CDAT ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /MALE:ML102-02*FEMALE:ML103-02
 CFTT ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.316.03 ISMA*236925 MEGA

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
3CNX	078	20		45 DEG. ELBOW S. 3000 SW A/SA105N 2.1/2	OK
CBDU	074	300		45 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
CBFC	071	70		90 DEG. ELBOW S. 3000 SW A/SA105N 2.1/2	OK
CDA	022	1700		UNION S. 3000 NPT A/SA105N 1/2 NOT	OK
CDAT	084	2000		UNION S. 3000 SW A/SA105N 1*MALE+FEMALE*	OK
CFTT	010	300		45 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
CFTT	075	500		45 DEG. ELBOW S. 3000 SW A/SA105N 3/4	OK

NOTE / Remarks / Notes ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Official CAPO COLLAUDO Chief Inspection DPT Responsable assurance quantité

MATERIAL ACCORDING TO: NACE MR. 0175 Ed. 2003. DOC. CERT. M.E.G.A. Luca Marcati