

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 232685
Certificate N. 232685
Certificat N. 232685
DATA / Date 05/03/03

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE
Purchase order
Commande

P.O. NO. 157/2002

COMMESSA
Job N. 68187
Confirmation de commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulee	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al	CE
CNLB	ASTM A105N/01	76179	0.200	0.230	0.940	0.001	0.013	00.08	00.05	0.000	0.018	0.120	0.019	0.020	0.357
CRBL	ASTM A105N/01	77164	0.195	0.250	0.890	0.006	0.008	00.08	00.05	0.000	0.018	0.160	0.021	0.025	0.377
CRNT	ASTM A105N/01	V74924	0.190	0.260	0.900	0.011	0.018	00.09	00.08	0.020	0.001	0.210	0.005	0.035	0.362
CRNU	ASTM A105/01	V79515	0.170	0.240	0.860	0.009	0.014	00.12	00.12	0.024	0.001	0.200	0.006	0.028	0.364
CRNX	ASTM A105N/01	30147	0.190	0.170	1.030	0.015	0.022	00.08	00.11	0.026	0.000	0.310	0.000	0.000	0.410
CRUD	ASTM A105/01	31715	0.190	0.230	0.980	0.010	0.008	00.10	00.10	0.010	0.018	0.140	0.019	0.023	0.357
CULX	ASTM A105N/01	78981	0.195	0.200	0.890	0.002	0.006	00.05	00.05	0.000	0.017	0.120	0.020	0.021	0.366

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 / Resilience			
	SEZIONE Section / Sect.	LUNGHEZZA Section / Sect.								UNITA' MIS. Unit system	TIPO Type	T. °C Test temp	VALORE Value
CNLB	1	60.1 35.0	423.6	559.0	32.6	67.0	162-166			J	KV	0	126-134-122
CRBL	1	60.1 35.0	298.0	512.0	31.2	68.4	143-149						
CRNT	1	59.4 35.0	306.1	525.8	23.3	67.0	140-143			J	KV	0	34-30-34
CRNU	1	118.8 50.0	299.5	499.7	26.9	63.0	146-149			J	KV	5	36-34-30
CRNX	1	60.1 35.0	304.3	518.4	29.6	53.4	158-162			J	KV	0	24-28-24
CRUD	1	59.7 35.0	339.0	517.7	26.7	61.4	145-147			J	KV	0	138-132-132
CULX	1	60.4 35.0	322.5	488.0	27.4	60.0	149-152			J	KV	0	100-110-80

NOTE / Remarks / Notes
ENI0204/3.1B ** DIN 50049 3.1B.

FORMA
Shape / Forme : 1 = 0 2 = 1

CNLB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.26031.02 RIVA*209760 MEGA*Nb:0.000*	
CRBL	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.97.02 EVASI*209812 MEGA*Nb:0.000*	
CRNT	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.428.02 ISMA*209856 MEGA*Nb:0.001*	
CRNU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.412.02 ISMA*209852 MEGA*Nb:0.001*	
CRNX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.332.02 ISMA*209813 MEGA*Nb:0.000*	
CRUD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.65126.02 RIVA*209811 MEGA*Nb:0.000*	
CULX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.08.03 ISMA*209896 MEGA*Nb:0.000*	

PROVA Test Epreuve	POS. Item Pos.	QUANTITA' Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
CNLB	032	1000	P.O. 157/2002	CAP S. 3000 NPT A/SA105N 1/2	OK
CRBL	066	500	P.O. 157/2002	HEX. HEAD PLUG NPT A/SA105N 2	OK
CRNT	015	4503	P.O. 157/2002	TEE S. 3000 NPT A/SA105N 1	OK
CRNU	002	1000	P.O. 157/2002	90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK
CRNX	068	100	P.O. 157/2002	HEX. HEAD PLUG NPT A/SA105N 3	OK
CRUD	035	400	P.O. 157/2002	CAP S. 3000 NPT A/SA105N 1.1/2	OK
CULX	015	497	P.O. 157/2002	TEE S. 3000 NPT A/SA105N 1	OK

NOTE / Remarks / Notes

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPU COLLAUDO
Chief Inspector
Responsible authority

DOC. CERT. M.E.G.A.
AUTENTICO