

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 553286 FOLGIO 1
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 01/10/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 221
Purchase order
Commande

COMMESSA 84506
Job N.
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 %
FCXS	ASTM A105/02	15747	0.217 --->	0.230	0.950	0.002 Nb%=0.001	0.014 B %=0.000	00.11	00.15	0.020	0.004	0.110	0.004	0.019 CEs=0.3753	0.419
FCXU	ASTM A105/02	15747	0.217 --->	0.230	0.950	0.002 Nb%=0.001	0.014 B %=0.000	00.11	00.15	0.020	0.004	0.110	0.004	0.019 CEs=0.3753	0.419
NDAB	ASTM A105/03	05/77466	0.185 --->	0.170	0.760	0.010 Nb%=0.000	0.015 B %=0.000	00.12	00.06	0.010	0.000	0.200	0.015	0.000 CEs=0.311	0.357
NDDA	ASTM A105/05	0745422/07	0.180 --->	0.235	1.050	0.003 Nb%=0.0017	0.017	00.10	00.01	0.005	0.000	0.025	0.000	0.026 CEs=0.378	0.378
RBXN	ASTM A105/05	07/78619	0.185 --->	0.180	1.220	0.008 Nb%=0.001	0.010	00.05	00.03	0.010	0.000	0.090	0.022	0.000 CEs=0.412	0.412

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO N/mm ² ≥ Yield strength 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.	RESILLENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	T. °C Test temp	VALORE / Value / Données
FCXS	1	30.6 25.0	343.0	544.0	29.1	64.0	161-167			J	KV	0	46-50-42
FCXU	1	30.6 25.0	322.0	534.0	29.6	67.4	150-156			J	KV	0	44-58-50
NDAB	1	30.1 25.0	348.0	498.0	29.3	55.3	146-149			J	KV	0	46-46-40
NDDA	1	60.1 35.0	312.4	533.4	28.1	66.6	156-159			J	KV	0	50-54-54
RBXN	1	122.6 50.0	375.0	531.0	29.1	52.8	156-160						

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 = 2 =

FCXS ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10261+10260.04 MET.LOMB.*247523 MEGA*

FCXU ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10257.04 METALM.LOMB.*247523 MEGA*

NDAB ELECT.FURNACE-NORMALIZED AT 910 C COOLED IN STILL AIR. /CERT.40059.06 FEAT*531126 MEGA*

NDDA ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9826.08 MEGA/I*549493MEGA*

RBXN ELECT.FURNACE-NORMALIZED AT 910 C COOLED IN STILL AIR. /CERT.0040366/0040365.FEAT*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
FCXS	026	3000		UNION S. 3000 NPT A/SA105N 3/4	male+female OK
FCXU	026	1500		UNION S. 3000 NPT A/SA105N 3/4	nut OK
NDAB	070	500		UNION S. 3000 SW A/SA105N 2	female OK
NDDA	070	500		UNION S. 3000 SW A/SA105N 2	male OK
RBXN	070	500		UNION S. 3000 SW A/SA105N 2	nut OK

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

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspection DPT
Responsible assurance qualité

DOC. CERT. M.E.G.A.
CENTEMERI EMMANUEL