

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 545597 FOGLIO 7
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 26/11/07

COMMESSA 83530
Job N.
Confirmation de commande

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 217
Purchase order
Commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
RCDF	ASTM A105/05	1T 11935	0.200 ---->	0.260 Nb% = 0.002	0.910 Sn% = 0.010	0.004 N % = 0.000	0.010	00.07	00.10	0.020	0.002	0.200	0.001	0.027 CEs = 0.351	0.389
RLNN	ASTM A105/05	074407607	0.185 ---->	0.230 Nb% = 0.0026	1.050 B % = 0.000	0.007	0.018	00.11	00.01	0.011	0.000	0.024	0.003	0.029 CEs = 0.360	0.387
NDDN	ASTM A105/05	06/70429	0.195 ---->	0.220 Nb% = 0.001	1.030 Sn% = 0.010	0.008	0.015	00.11	00.07	0.010	0.020	0.180	0.021	0.020 CEs = 0.366	0.411
NRFD	ASTM A105/05	06/72447	0.195 ---->	0.190 Nb% = 0.000	0.900 N % = 0.000	0.008	0.014	00.09	00.04	0.010	0.017	0.110	0.016	0.025 CEs = 0.345	0.378

PROVA Test Epreuve	PROVETTA Test specimen / Epreuvette		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. Flat. test Aplattiss.	RESILIENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	T. °C Test tmp	VALORE / Value / Données
RCDF	1	30.6 25.0	298.3	509.6	32.5	68.4	143-149			J	KV	0	56-52-60
RLNN	1	30.6 25.0	315.4	534.2	28.6	67.1	149-156			J	KV	0	52-54-58
NDDN	1	58.1 35.0	319.6	527.8	27.1	68.8	152-160			J	KV	0	58-60-68
NRFD	1	60.1 35.0	299.0	525.0	32.4	68.3	143-150			J	KV	0	48-52-54

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

RCDF ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9370.MEGA/I*542253MEGA*
 RLNN ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9391.MEGA/I*542257MEGA*
 NDDN ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8795.06 MEGA/ISMA*533634 MEGA*
 NRFD ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9167.MEGA/I*539328 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RCDF	116	1000		TEE S. 3000 SW A/SA105N 3/4	OK
RLNN	117	2000		TEE S. 3000 SW A/SA105N 1	OK
NDDN	120	178		TEE S. 3000 SW A/SA105N 2	OK
NRFD	120	422		TEE S. 3000 SW A/SA105N 2	OK

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

MATERIAL ACCORDING TO NACE MR0175/ 2003. DOC. CERT. M.E.G.A.