

M.E.G.A.

CLIENTE
Customer
Client

PROVEEDORA DE MATERIALES ANKER
SA DE CV

CERTIFICATO N. 549085 FOGLIO 1
Certificate N. Sheet
Certificat N. Feuille

ALFONSO REYES 4030 NTE.
COL. DEL NTE. MONTERREY, N.L.

DATA / Date 14/04/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 217
Purchase order
Commande

COMMESSA 83530
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 %
NUBR	ASTM A105/05	06/72863	0.185 --->	0.200 Nb%=0.001	0.950	0.023	0.020	00.11	00.05	0.010	0.000	0.160	0.003	0.019	0.381
RLTA	ASTM A105/05	07/76867	0.190 --->	0.180	0.960	0.006	0.008	00.06	00.04	0.010	0.000	0.120	0.016	0.022	0.377
FXAS	ASTM A105/05	71023	0.190 --->	0.230 Nb%=0.000	0.900	0.005	0.009	00.07	00.05	0.010	0.015	0.180	0.017	0.022	0.374
NWNS	ASTM A105/05	06/70497	0.190 --->	0.190 Nb%=0.000	0.890	0.009	0.014	00.10	00.05	0.010	0.000	0.130	0.000	0.020	0.372
RXTU	ASTM A105/05	48135	0.140 --->	0.210 Nb%=0.020	0.930	0.003	0.010	00.10	00.06	0.010	0.020	0.080	0.003	0.042	0.326
RWNT	ASTM A105/05	47853	0.140 --->	0.210 Nb%=0.001	0.950	0.002	0.011	00.09	00.04	0.010	0.000	0.050	0.003	0.000	0.324
															CEs=0.298

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		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 / Value / Données
NUBR	1	122.6	50.0	307.0	31.1	68.3	149-152			J	KV	0	48-56-52
RLTA	1	122.6	50.0	321.0	28.6	67.1	149-159			J	KV	0	54-52-48
FXAS	1	30.1	25.0	328.0	29.6	65.2	148-156			J	KV	-5	30-40-32
NWNS	1	30.6	25.0	334.0	28.1	64.1	162-170			J	KV	0	48-52-58
RXTU	1	58.0	35.0	322.4	30.1	70.1	156-159			J	KV	0	252-260-278
RWNT	1	122.7	50.0	329.2	30.0	71.2	148-153		OK	J	KV	0	148-156-160

NOTE / Remarks / Notes
EN10204/3.1

FORMA Shape / Forme : 1 = 2 =

NUBR	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.		/CERT.230.06 CARLOTTO*536202 MEGA*
RLTA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.		/CERT.1084.CARLOTTO*541882MEGA*
FXAS	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.		/CERT.03.05 EVASI*247572 MEGA*
NWNS	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.		/CERT.134.06 EVASI*537210 MEGA*
RXTU	ELECT.FURNACE-NORMALIZED AT 850 C COOLED IN STILL AIR.		/CERT.24009/1-5.MANNESMAN*544873MEGA*NDE:OK*
RWNT	ELECT.FURNACE-NORMALIZED AT 850 C COOLED IN STILL AIR.		/CERT.26126.MANNESMAN*NDE:OK*546061MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
NUBR	014	8		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RLTA	014	392		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
FXAS	031	370		UNION S. 3000 NPT A/SA105N 1.1/4	male+female OK
NWNS	031	1130		UNION S. 3000 NPT A/SA105N 1.1/4	male+female+n OK
RXTU	045	300		COUPLING S. 3000 NPT A/SA105N 3	OK
RWNT	046	100		COUPLING S. 3000 NPT A/SA105N 4	OK

NOTE / Remarks / Notes

MATERIAL ACCORDING TO NACE MR0175/ 2003.

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Officiel

CAPO COLLAUDO
Chief Inspection DP
Responsable assurance qualité

DOC. PART. M.E.G.A.
L. [Signature]