

# 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. 543531 FGLIO 1  
Certificate N. Sheet  
Certificat N. Feuille

DATA / Date 11/09/07

CERTIFICATO DI COLLAUDO  
TEST CERTIFICATE  
CERTIFICAT DE CONTROLE

COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

ORDINE 210  
Purchase order  
Commande

COMMESSA 82149  
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 %	CE%
NBAL	ASTM A105/03	0578224	0.190	0.230	0.920	0.007	0.013	00.09	00.05	0.010	0.000	0.170	0.020	0.022 0.381
			---	Nb% = 0.001										
NXCC	ASTM A105/05	06/72027	0.190	0.190	0.870	0.012	0.016	00.12	00.06	0.010	0.000	0.160	0.000	0.015 0.375
			---	Nb% = 0.000	N % = 0.000	B % = 0.000								CEs = 0.335
RCTR	ASTM A105/05	S16339	0.210	0.200	0.910	0.010	0.016	00.16	00.14	0.000	0.000	0.290	0.000	0.021 0.422
			---	Nb% = 0.000	N % = 0.000									CEs = 0.361
RDRS	ASTM A105/05	07/75395	0.185	0.200	0.940	0.010	0.010	00.07	00.05	0.010	0.021	0.170	0.021	0.026 0.376
			---	Nb% = 0.000	N % = 0.000	Sn % = 0.008								CEs = 0.341
RRLX	ASTM A105/05	07/76866	0.200	0.210	0.900	0.009	0.009	00.05	00.04	0.010	0.000	0.100	0.019	0.025 0.375
			---	Nb% = 0.000										CEs = 0.350
RARL	ASTM A105/05	FMC*74422	0.210	0.250	0.950	0.017	0.016	00.12	00.07	0.020	0.005	0.170	0.002	0.022 0.412
			---	Nb% = 0.002	N % = 0.000									

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		SNERVAMENTO N/mm <sup>2</sup> Yield point Limite d'élasticité	ROTTURA N/mm <sup>2</sup> 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 tmp	VALORE / Value / Données
NBAL	1	30.6 25.0	312.0	533.0	29.2	66.8	155-160			J	KV	0	38-52-48
NXCC	1	30.6 25.0	344.0	546.0	28.3	63.9	170-174			J	KV	0	54-52-50
RCTR	1	122.6 50.0	323.0	531.0	28.8	65.9	152-159			J	KV	0	48-52-54
RDRS	1	122.6 50.0	291.6	599.4	33.2	71.1	139-143			J	KV	0	54-48-50
RRLX	1	122.1 50.0	316.2	496.4	26.8	61.0	143-148			J	KV	0	120-120-128
RARL	1	122.6 50.0	340.0	545.0	30.0	58.0	163-165			J	KV	0	48-52-54

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 = Ø 2 = □

NBAL	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.8596.06 MEGA/ISMA*530980 MEGA*
NXCC	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.128.06 EVASI*536529 MEGA*
RCTR	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.51.CARLOTTO*539998 MEGA*
RDRS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9211.MEGA/I*540000 MEGA*
RRLX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.1325.CARLOTTO*542825MEGA
RARL	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.758.METALFAR*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
NBAL	001	300		90 DEG. ELBOW S. 3000 NPT A/SA105N 3/8	OK
NXCC	003	3000		90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
RCTR	005	500		90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK
RDRS	006	354		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RRLX	006	146		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RARL	008	100		90 DEG. ELBOW S. 3000 NPT A/SA105N 3	OK

NOTE / Remarks / Notes		ENTE UFFICIALE DI COLLAUDO Inspection Authority Service Inspection Officiel	CAPO COLLAUDO Chief Inspection DPT Responsable assurance qualité
MATERIAL ACCORDING TO NACE MR0175/ 2003.			DOC. CERT. M.E.G.A. Luca Arvati