

# 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. 545878 FOLIO 11  
Certificate N. Sheet  
Certificat N. Feuille

DATA / Date 05/12/07

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 %
NXBR	ASTM A105/05	06/72453	0.200 --->	0.180 Nb% = 0.000	0.900 0.000	0.010 N % = 0.000	0.010	00.08	00.04	0.010	0.017	0.130	0.019	0.023 CEs = 0.350	0.383
RTTT	ASTM A105/05	074376707	0.185 --->	0.250 Nb% = 0.002	1.060	0.002	0.011	00.10	00.03	0.007	0.030	0.047	0.003	0.027 CEs = 0.361	0.388
NLRX	ASTM A105/05	EDL*70056	0.185 --->	0.170 Nb% = 0.000	0.860	0.026	0.019	00.12	00.08	0.020	0.005	0.220	0.001	0.012 CEs = 0.328	0.376
NUUU	ASTM A105/05	236644	0.190 --->	0.210 Nb% = 0.000	0.530	0.002	0.012	00.09	00.05	0.010	0.000	0.040	0.000	0.000 CEs = 0.278	0.304
NLFS	ASTM A105/05	963381	0.200 --->	0.220	0.960	0.004	0.012	00.09	00.09	0.030	0.000	0.150	0.010	0.000	0.402
NWFO	ASTM A105/05	68KB2536	0.150 --->	0.340	1.170	0.006	0.016	00.15	00.04	0.000	0.000	0.200	0.080	0.000 CEs = 0.345	0.407

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	T. °C Test tmp	T. °C Test tmp	VALORE / Value / Données
NXBR	1	122.6	50.0	352.0	556.0	26.9	59.8	172-180		J	KV	0	58-54-52
RTTT	1	60.1	35.0	302.0	515.0	31.4	68.3	143-152		J	KV	0	52-50-56
NLRX	1	122.6	50.0	320.0	515.0	34.0	60.0	149-156		J	KV	0	48-56-54
NUUU	1	61.7	50.0	309.5	487.0	28.3	66.0	170-173	OK	J	KV	-7	120-122-136
NLFS	2	282.0	50.0	286.0	509.0	40.0	55.8	150-160	OK	J	KV	0	232-233-230
NWFO	1	123.1	50.0	441.1	606.8	31.0	72.0	170-175		J	KV	0	156-164-188

PROVA Test Epreuve	NOTE / Remarks / Notes EN10204/3.1	FORMA Shape / Forme : 1 = <input type="radio"/> 2 = <input type="checkbox"/>
--------------------------	---------------------------------------	---

NXBR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9150.MEGA/I*538927 MEGA*
RTTT	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9534.MEGA/I*544692MEGA*
NLRX	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.2411.06 METALFAR*
NUUU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.43790.06* MANNES.*536219MEGA*NDE:OK*
NLFS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.11714.06 DALMINE
NWFO	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.73463.06 HUBEI*536463 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
NXBR	119	338		TEE S. 3000 SW A/SA105N 1.1/2	OK
RTTT	119	162		TEE S. 3000 SW A/SA105N 1.1/2	OK
NLRX	121	30		TEE S. 3000 SW A/SA105N 2.1/2	OK
NUUU	132	1000		COUPLING S. 3000 SW A/SA105N 2	OK
NLFS	133	100		COUPLING S. 3000 SW A/SA105N 2.1/2	OK
NWFO	134	27		COUPLING S. 3000 SW A/SA105N 3	OK

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