

# 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. 548179 FOLGIO 5  
Certificate N. Sheet  
Certificat N. Feuille

DATA / Date 07/03/08

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 %	Al %	CE %
FCXU	ASTM A105/02	15747	0.217	0.230	0.950	0.002	0.014	00.11	00.15	0.020	0.004	0.110	0.004	0.019	0.419
			--->	Nb% = 0.001		B % = 0.0002								CEs = 0.3753	
LULB	ASTM A105/05	04/72191	0.200	0.210	0.890	0.026	0.018	00.11	00.06	0.010	0.010	0.190	0.002	0.007	0.389
			--->	Nb% = 0.000		B % = 0.000								CEs = 0.3483	
LULC	ASTM A105/05	16836	0.202	0.260	0.980	0.002	0.007	00.13	00.13	0.020	0.002	0.140	0.003	0.027	0.413
			--->	Nb% = 0.001		B % = 0.000								CEs = 0.3653	
NWNS	ASTM A105/05	06/70497	0.190	0.190	0.890	0.009	0.014	00.10	00.05	0.010	0.000	0.130	0.000	0.020	0.372
			--->	Nb% = 0.000		N % = 0.000								CEs = 0.338	
LLAC	ASTM A105/03	71551	0.195	0.220	0.790	0.014	0.015	00.10	00.06	0.010	0.017	0.200	0.021	0.022	0.370
			--->	Nb% = 0.000		B % = 0.0002								CEs = 0.3267	
NDAL	ASTM A105/03	0340113	0.180	0.200	0.830	0.007	0.008	00.15	00.02	0.009	0.000	0.057	0.002	0.000	0.357
			--->	Nb% = 0.003											

PROVA Test Epreuve	PROVETTA Test specimen / Eprouvette		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	
FCXU	1	30.6	25.0	322.0	534.0	29.6	67.4	150-156			J	KV	0	44-58-50
LULB	1	30.6	25.0	313.0	538.0	29.2	67.3	156-163			J	KV	0	46-56-50
LULC	1	122.6	50.0	364.0	504.0	30.3	68.3	149-156			J	KV	0	48-52-46
NWNS	1	30.6	25.0	334.0	542.0	28.1	64.1	162-170			J	KV	0	48-52-58
LLAC	1	30.6	25.0	313.0	530.0	30.3	67.1	156-163			J	KV	0	42-34-40
NDAL	1	30.6	25.0	338.0	492.0	30.4	58.0	142-148			J	KV	0	46-60-60

PROVA Test Epreuve	NOTE / Remarks / Notes	EN10204/3.1	FORMA Shape / Forme : 1 = Ø 2 = □
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FCXU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10257.04 METALM.LOMB.*247523 MEGA*
LULB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10029.06 M.L.*530314 MEGA*
LULC	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10016.06 x BF + 10025.06 x BM*530314 MEGA*
NWNS	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.134.06 EVASI*537210 MEGA*
LLAC	ELECT.FURNACE-NORMALIZED AT 910 C COOLED IN STILL AIR.	/CERT.40304.05 FEAT*247669 MEGA*
NDAL	ELECT.FURNACE-NORMALIZED AT 910 C COOLED IN STILL AIR.	/CERT.40095.06 FEAT*531810 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
FCXU	033	1000		UNION S. 3000 NPT A/SA105N 3/4	nut OK
LULB	034	1000		UNION S. 3000 NPT A/SA105N 1	nut OK
LULC	034	2000		UNION S. 3000 NPT A/SA105N 1	male+female OK
NWNS	035	1500		UNION S. 3000 NPT A/SA105N 1.1/4	male+female+n OK
LLAC	036	142		UNION S. 3000 NPT A/SA105N 1.1/2	nut OK
NDAL	036	158		UNION S. 3000 NPT A/SA105N 1.1/2	nut 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. L. Marzati