

# 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. 549297 FOLGIO 1  
Certificat N. Sheet  
Certificat N. Feuille

DATA / Date 22/04/08

CERTIFICATO DI COLLAUDO  
TEST CERTIFICATE  
CERTIFICAT DE CONTROLE

COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

ORDINE 221  
Purchase order  
Commande

COMMESSA 84506  
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 %
RWDD	ASTM A105/05	0775392	0.190 --->	0.220 Nb% = 0.000	0.880 0.000	0.009 N % = 0.000	0.009 0.000	0.007 Sn% = 0.008	0.005 0.008	0.010	0.023	0.160	0.020	0.026	0.370 CEs = 0.336
RUAX	ASTM A105/05	8007-07	0.210 --->	0.219 Nb% = 0.0002	0.984 0.000	0.004 N % = 0.010	0.003	0.009 B % = 0.000	0.026	0.090	0.000	0.184	0.000	0.027	0.439 CEs = 0.374
RDRS	ASTM A105/05	0775395	0.185 --->	0.200 Nb% = 0.000	0.940 0.000	0.010 N % = 0.000	0.010	0.007 Sn% = 0.008	0.005	0.010	0.021	0.170	0.021	0.026	0.376 CEs = 0.341
RFUD	ASTM A105/05	AB0891	0.185 --->	0.210 Nb% = 0.001	0.960 0.000	0.005 N % = 0.000	0.006	0.012	0.010	0.040	0.000	0.120	0.002	0.027	0.392 CEs = 0.345
RRLN	ASTM A105/05	07-76867	0.190 --->	0.180 Nb% = 0.000	0.960	0.006	0.008	0.006	0.004	0.010	0.000	0.120	0.016	0.022	0.377 CEs = 0.350
RRLS	ASTM A105/05	0775769	0.185 --->	0.200 Nb% = 0.001	0.900	0.007	0.010	0.009	0.006	0.010	0.000	0.150	0.017	0.023	0.372 CEs = 0.335

PROVA Test Epreuve	PROVETTA Test specimen / Epreuvette		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.	RESILIENZA Impact test / Résilience			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	T. °C Test tmp	VALORE / Value / Données
RWDD	60.1	35.0	300.0	520.0	31.0	68.0	143-146			J	KV	0	50-48-52
RUAX	60.1	35.0	322.0	535.0	28.8	66.4	156-160			J	KV	0	48-56-50
RDRS	122.6	50.0	291.6	599.4	33.2	71.1	139-143			J	KV	0	54-48-50
RFUD	122.6	50.0	315.0	533.0	28.7	67.1	149-156			J	KV	0	54-52-50
RRLN	122.6	50.0	291.0	502.0	33.1	71.4	138-142			J	KV	0	48-50-54
RRLS	60.1	35.0	303.0	520.0	31.6	68.4	143-149			J	KV	0	54-58-56

PROVA Test Epreuve	NOTE / Remarks / Notes	EN10204/3.1	FORMA Shape / Forme : 1 = <input type="checkbox"/> 2 = <input type="checkbox"/>
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RWDD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9691.MEGA/I*546906MEGA*
RUAX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9529.MEGA/I*544692MEGA*
RDRS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9211.MEGA/I*540000 MEGA*
RFUD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.761.CARLOTTO*540462 MEGA*
RRLN	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.1314.CARLOTTO*542724MEGA*
RRLS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.1285.CARLOTTO*542724MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RWDD	003	5000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RUAX	004	1000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK
RDRS	006	2		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RFUD	006	1333		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RRLN	006	95		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RRLS	006	1153		90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK

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