

# 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. 553287 FOLGIO 1  
Certificate N. Sheet  
Certificat N. Feuille  
DATA / Date 01/10/08

CERTIFICATO DI COLLAUDO  
TEST CERTIFICATE  
CERTIFICAT DE CONTROLE

COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

ORDINE 223  
Purchase order  
Commande

COMMESSA 85402  
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 %
KACN	ASTM A105/05	07771089	0.185 --->	0.190 Nb% = 0.001	0.890 N % = 0.000	0.007 N % = 0.000	0.009 Sn% = 0.013	0.008	0.004	0.010	0.021	0.150	0.020	0.024 CEs = 0.333	0.367
RUA	ASTM A105/05	0739814/07	0.185 --->	0.220 Nb% = 0.002	1.070	0.003	0.015	0.012	0.002	0.009	0.000	0.049	0.001	0.024	0.374
KASU	ASTM A105/05	0745422/07	0.180 --->	0.235 Nb% = 0.0017	1.050	0.003	0.017	0.010	0.001	0.005	0.000	0.025	0.003	0.026 CEs = 0.355	0.378
FFNL	ASTM A105/02	AR0003	0.200 --->	0.250 Nb% = 0.000	0.960	0.008	0.008	0.006	0.008	0.020	0.003	0.180	0.000	0.024 CEs = 0.360	0.393
CFAN	ASTM A105/01	125869	0.173 --->	0.282 Nb% = 0.003	1.120	0.001	0.008	0.012	0.016	0.035	0.000	0.230	0.001	0.043 CEs = 0.3597	0.417
NDDD	ASTM A105/05	IT 16361	0.190 --->	0.270 Nb% = 0.002	0.910	0.010	0.010	0.011	0.010	0.023	0.012	0.160	0.001	0.028 CEs = 0.341	0.385

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		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	TIP Type	T. °C Test temp	VALORE / Value / Données	
KACN	1	30.6	25.0	320.0	533.0	29.0	66.0	151-156			J	KV	0	48-50-54
RUA	1	60.1	35.0	321.0	536.0	29.0	67.0	151-156			J	KV	0	50-52-56
KASU	1	122.4	50.0	302.4	512.6	31.2	68.4	140-146			J	KV	0	48-56-60
FFNL	1	30.6	25.0	302.0	509.0	31.2	68.3	145-150			J	KV	0	48-38-40
CFAN	1	12.4	20.0	336.0	528.0	31.0	65.4	143-149			J	KV	0	50-52-54
NDDD	1	30.6	25.0	304.0	526.0	32.0	68.0	143-149			J	KV	0	50-52-54

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 = ∅ 2 = □

KACN	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9740.MEGA/I*547811MEGA*
RUA	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9736.MEGA/I*547652MEGA*
KASU	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9840.MEGA/I*549664MEGA*
FFNL	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.73.04.EVASI*247474.MEGA
CFAN	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.62.02.EVASI*209742.MEGA
NDDD	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9772.MEGA/I*548416MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
KACN	002	3000	50007	90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
RUA	005	1000	50015	90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK
KASU	006	2000	50020	90 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
FFNL	007	300	51010	45 DEG. ELBOW S. 3000 NPT A/SA105N 1/8	OK
CFAN	008	200	51002	45 DEG. ELBOW S. 3000 NPT A/SA105N 1/4	OK
NDDD	010	905	51007	45 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK

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