

# MEGA

**CERTIFICATO DI COLLAUDO**  
TEST CERTIFICATE  
CERTIFICAT DE CONTROLE

COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

CLIENTE  
Customer  
Client

PROVEEDORA DE MATERIALES ANKER  
SA DE CV  
ALFONSO REYES 4030 NTE.  
COL. DEL NTE. MONTERREY, N.L.

CERTIFICATO N. 557067 FOGLIO 8  
Certificate N. Sheet  
Certificat N. Feuille

DATA / Date 02/03/09

COMMESSA 85820  
Job N.  
Confirmation de commande

ORDINE 225 - 231  
Purchase order  
Commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Coulée	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
RAUF	ASTM A105/05	5591-07	0.186 --->	0.227	1.010	0.008	0.008	00.07	00.16	0.050	0.000	0.210	0.001	0.027	0.403
				Nb%=0.0002		N%=0.0098								CEs=	0.354
RUBB	ASTM A105/05	8005-07	0.181 --->	0.211	1.009	0.007	0.002	00.10	00.26	0.050	0.000	0.298	0.000	0.020	0.416
				Nb%=0.0004		N%=0.010		Sn%=0.0157						CEs=	0.349
KDLX	ASTM A105/05	0745420/07	0.180 --->	0.230	1.090	0.001	0.010	00.10	00.01	0.006	0.000	0.029	0.003	0.044	0.386
				Nb%=0.0037										CEs=	0.361
KTFD	ASTM A105/05	08/76307	0.200 --->	0.240	0.910	0.009	0.011	00.09	00.07	0.010	0.019	0.170	0.018	0.029	0.391
				Nb%=0.001		Sn%=0.009								CEs=	0.351
RNTB	ASTM A105/05	06/79200	0.195 --->	0.190	0.860	0.008	0.014	00.11	00.06	0.010	0.017	0.170	0.016	0.020	0.380
								Sn%=0.008						CEs=	0.338

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	TIPO Type	T. °C Test tmp	VALORE / Value / Données	
RAUF	1	122.6	50.0	290.0	599.0	33.1	71.2	138-145			J	KV	0	54-54-50
RUBB	1	60.1	35.0	318.4	532.6	28.8	66.4	151-156			J	KV	0	52-50-56
KDLX	1	30.6	25.0	304.0	518.0	30.8	68.4	143-149			J	KV	0	48-48-44
KTFD	1	30.6	25.0	341.0	542.0	28.3	64.5	163-170			J	KV	0	38-44-42
RNTB	1	30.6	25.0	318.0	534.0	29.1	67.2	149-156			J	KV	0	52-50-56

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 =  2 =

RAUF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9205.MEGA/I*539998MEGA*
RUBB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9538.MEGA/I*544876MEGA*
KDLX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9918.MEGA/I*551015 MEGA*
KTFD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10224.MEGA/I*555314 MEGA
RNTB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9482.MEGA/I*543781MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RAUF	097	31		TEE S. 6000 NPT A/SA105N 2	OK
RUBB	097	39		TEE S. 6000 NPT A/SA105N 2	OK
KDLX	107	1881	ORD.231	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
KTFD	107	13094	ORD.231	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK
RNTB	107	25	ORD.231	90 DEG. ELBOW S. 3000 SW A/SA105N 1/2	OK

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