

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. 553371 FOLIO 1
Certificata N. Sheet
Certificat N. Feuille

DATA / Date 03/10/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
=ISO 9001=

ORDINE
Purchase order
Commande

223

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 %
RWR	ASTM A105/05	17 16361	0.190	0.270	0.910	0.010	0.010	00.11	00.10	0.023	0.012	0.160	0.001	0.028	0.385
			--->	Nb%=	0.002			Sn%=	0.018					CEs=	0.341
RXBD	ASTM A105/05	0743768/07	0.185	0.240	1.070	0.003	0.009	00.12	00.02	0.009	0.000	0.038	0.003	0.033	0.393
			--->	Nb%=	0.0018	N % =	0.000							CEs=	0.363
RUBS	ASTM A105/05	0744578/07	0.170	0.225	1.070	0.005	0.011	00.12	00.02	0.004	0.000	0.059	0.003	0.035	0.378
			--->	Nb%=	0.0024									CEs=	0.348
RWR	ASTM A105/05	9164-07	0.190	0.197	1.000	0.005	0.009	00.10	00.20	0.050	0.000	0.230	0.003	0.022	0.415
			--->	Nb%=	0.002	B % =	0.0005	Sn%=	0.010	N % =	0.010			CEs=	0.356
NDDA	ASTM A105/05	0745422/07	0.180	0.235	1.050	0.003	0.017	00.10	00.01	0.005	0.000	0.025	0.000	0.026	0.378
			--->	Nb%=	0.0017										
RNTX	ASTM A105/05	0743767/07	0.185	0.250	1.060	0.002	0.011	00.10	00.03	0.007	0.030	0.047	0.003	0.027	0.388
			--->	Nb%=	0.002									CEs=	0.361

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		SNERNAMENTO N/mm ² Yield point Limite d'élasticité	ROTTURA N/mm ² Tensile strength Rupture	ALLUNGAMENTO % Elongation Allongement	CONTRAZIONE % Reduction of area Striction	DUREZZA HV 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	
RWR	1	30.6	25.0	304.0	522.0	30.3	68.4	143-149			J	KV	0	56-56-52
RXBD	1	30.6	25.0	300.0	518.0	31.0	69.0	143-149			J	KV	0	50-58-54
RUBS	1	30.6	25.0	292.0	500.6	32.3	71.8	140-143			J	KV	0	54-56-60
RWR	1	60.1	35.0	318.0	533.0	29.0	66.0	151-160			J	KV	0	52-50-56
NDDA	1	60.1	35.0	312.4	533.4	28.1	66.6	156-159			J	KV	0	50-54-54
RNTX	1	60.1	35.0	299.0	513.0	31.4	68.2	140-149			J	KV	0	54-52-58

PROVA Test Epreuve

NOTE / Remarks / Notes

EN10204/3.1

FORMA Shape / Forme : 1 = Ø 2 = □

RWR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9799.MEGA/I*548939 MEGA*
RXBD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9647.MEGA/I*546340MEGA*
RUBS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9847.MEGA/I*549664MEGA*
RWR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9681.MEGA/I*546582MEGA*
NDDA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9826.08 MEGA/I*549493MEGA*
RNTX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9504.MEGA/I*544286MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RWR	001	1140	50005	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
RXBD	001	2860	50005	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
RUBS	003	3000	50010	90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RWR	004	1000	50012	90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK
NDDA	011	500	51010	45 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RNTX	013	300	51015	45 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK

NOTE / Remarks / Notes

MATERIAL ACCORDING TO NACE MR0175/ 2003.

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspector/DP
Responsable assurance qualité

DOC. CERT. M.E.G.A.
Luca Marselli