

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. 545878 FOG1010
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 05/12/07

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =

ORDINE 217
Purchase order
Commande

COMMESSA 83530
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 %	A1 %	CE %
LBTX	ASTM A105/05	84498	0.180 --->	0.200 Nb%= 0.001	0.832	0.011	0.013	00.11	00.09	0.021	0.000	0.143	0.002	0.020	0.362
RBNN	ASTM A105/05	IT 24391	0.180 --->	0.210	0.900	0.010	0.010	00.06	00.10	0.020	0.000	0.250	0.000	0.029	0.369
RFLT	ASTM A105/05	170595	0.172 --->	0.229 Nb%= 0.000	1.012	0.002	0.010	00.12	00.15	0.024	0.000	0.257	0.000	0.000	0.397
RFND	ASTM A105/05	07/76672	0.190 --->	0.210 Nb%= 0.000	0.880	0.010	0.015	00.12	00.06	0.010	0.000	0.170	0.000	0.026	0.377
LFNC	ASTM A105/03	05/75610	0.200 --->	0.150 Nb%= 0.000	0.910	0.006	0.014	00.07	00.05	0.010	0.000	0.160	0.020	0.020	0.385
NDDB	ASTM A105/05	06/79016	0.195 --->	0.160 Nb%= 0.000	0.930	0.007	0.014	00.10	00.05	0.010	0.019	0.200	0.022	0.023	0.393

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO N/mm ² ≥ Yield point Limite d'élasticité	ROTTURA N/mm ² ≥ 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 temp	VALORE / Value / Données
LBTX	1	122.6	50.0	397.0	548.0	26.6	60.0	178-185		J	KV	0	34-36-32
RBNN	1	30.6	25.0	335.0	541.0	28.1	63.4	157-167		J	KV	0	48-50-54
RFLT	1	30.6	25.0	300.0	525.0	32.1	68.4	143-149		J	KV	0	54-52-50
RFND	1	30.6	25.0	323.0	540.0	28.8	66.4	149-156		J	KV	0	48-52-50
LFNC	1	61.0	35.0	320.0	500.0	26.0	57.2	149-156		J	KV	0	230-200-196
NDDB	1	60.1	35.0	311.0	532.0	28.3	66.9	149-152		J	KV	0	58-60-48

PROVA Test Epreuve

NOTE / Remarks / Notes

EN10204/3.1

FORMA Shape / Forme : 1 = ∅ 2 = □

LBTX	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.05869/1.96 RODACCIAI*247613 MEGA*BOLLA1446.06
RBNN	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.30.EVASI*538942 MEGA*
RFLT	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.70.EVASI*540541 MEGA*
RFND	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.69.EVASI*540541 MEGA*
LFNC	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.194.05 ISMA*247642 MEGA*
NDDB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8759.06 ISMA*533234 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
LBTX	088	5000		HEX. HEAD PLUG NPT A/SA105N 1	OK
RBNN	089	1000		HEX. HEAD PLUG NPT A/SA105N 1.1/4	OK
RFLT	107	500		45 DEG. ELBOW S. 3000 SW A/SA105N 3/4	OK
RFND	108	1000		45 DEG. ELBOW S. 3000 SW A/SA105N 1	OK
LFNC	118	232		TEE S. 3000 SW A/SA105N 1.1/4	OK
NDDB	118	68		TEE S. 3000 SW A/SA105N 1.1/4	OK

NOTE / Remarks / Notes

MATERIAL ACCORDING TO NACE MR0175/ 2003.

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Officiel

CAPO COLLAUDO
Chief Inspection DPT
Responsable assurance qualité

DOC. M.E.G.A.
Luisa Marcat