

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. 537493 FOLGIO 1
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 17/01/07

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE
Purchase order
Commande

P.O. 207

COMMESSA 80496
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 %
LLXF	ASTM A105/03	0341848	0.165 --->	0.235 Nb%= 0.003	1.130	0.001 B %=0.0005	0.010	00.12	00.01	0.003	0.000	0.013	0.002	0.027	0.381 CEs=0.3533
FUTS	ASTM A105/05	05/76364	0.180 --->	0.190 Nb%= 0.001	0.930	0.010 B %= 0.000	0.013	00.07	00.04	0.010	0.000	0.150	0.017	0.024	0.367 CEs= 0.335
NFDR	ASTM A105/03	0640215	0.180 --->	0.235 Nb%=0.0036	1.070	0.010	0.020	00.11	00.01	0.004	0.000	0.033	0.002	0.032	0.384 CEs= 0.358
DNXF	ASTM A105/01	03/70977	0.210 --->	0.180	0.860	0.004 Nb%= 0.000	0.008	00.11	00.05	0.000	0.000	0.150	0.017	0.020	0.392 CEs=0.3533
NUBR	ASTM A105/05	06/72863	0.185 --->	0.200 Nb%= 0.001	0.950	0.023	0.020	00.11	00.05	0.010	0.000	0.160	0.003	0.019	0.381 CEs= 0.343
LCXD	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 CEs= 0.350

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 Pilage	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
LLXF	1	58.0 35.0	300.0	502.0	27.7	75.0	150-155			J	KV	0	280-276-258
FUTS	1	30.6 25.0	326.0	540.0	29.5	66.6	155-160			J	KV	0	50-52-48
NFDR	1	122.6 50.0	299.0	511.0	31.4	68.1	143-152			J	KV	0	46-44-46
DNXF	1	60.1 35.0	306.0	528.0	32.4	68.9	147-151			J	KV	0	48-52-48
NUBR	1	122.6 50.0	307.0	528.0	31.1	68.3	149-152			J	KV	0	48-56-52
LCXD	1	30.6 25.0	299.0	519.0	31.4	68.3	145-150			J	KV	0	46-50-46

NOTE / Remarks / Notes: EN10204/3.1

FORMA Shape / Forme : 1 = ∅ 2 = □

LLXF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8521.06 MEGA/ISMA*530166 MEGA*	
FUTS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8617.06 MEGA/ISMA*531116 MEGA*	
NFDR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8656.06 MEGA/ISMA* 531674MEGA*	
DNXF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.397.03 ISMA*241948 MEGA	
NUBR	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.230.06 CARLOTTO*536202 MEGA*	
LCXD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.8730.06 MEGA/ISMA*532598 MEGA*	

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
LLXF	002	1000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK
FUTS	008	500		45 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
NFDR	009	200		45 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK
DNXF	010	346		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
NUBR	010	154		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
LCXD	013	1761		TEE S. 3000 NPT A/SA105N 3/4	OK

NOTE / Remarks / Notes

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspection DPT
Responsable assurance qualité

MATERIAL ACCORDING TO NACE MR0175/ 2003.

DOC. CERT. M.E.G.A.
L. Marcanti