

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. 548179 F0GLIO 2
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 07/03/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 210
Purchase order
Commande

COMMESSA 82149
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 %
FUCB	ASTM A105/03	03/72293	0.180 ---> Nb%= 0.002	0.220	0.940	0.009	0.012	00.09	00.05	0.010	0.000	0.180	0.017	0.025	0.375
NRLT	ASTM A105/05	1T 24336	0.180 ---> Nb%= 0.001	0.290	0.860	0.008	0.012	00.12	00.12	0.040	0.005	0.250	0.000	0.021	0.379
NUBR	ASTM A105/05	06/72863	0.185 ---> Nb%= 0.001	0.200	0.950	0.023	0.020	00.11	00.05	0.010	0.000	0.160	0.003	0.019	0.381
RALL	ASTM A105/05	FTS*77214	0.195 --->	0.270	0.910	0.017	0.011	00.09	00.05	0.010	0.005	0.170	0.000	0.023	0.381
RNAA	ASTM A105/05	7442-07	0.190 --->	0.180	0.890	0.010	0.010	00.09	00.16	0.050	0.000	0.210	0.000	0.020	0.390
NCNL	ASTM A105/03	05/77747	0.185 ---> Nb%= 0.001	0.220	0.910	0.010	0.010	00.11	00.07	0.020	0.000	0.160	0.000	0.021	0.377

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 tmp	VALORE / Value / Données
FUCB	1	60.0 35.0	308.6	491.1	33.7	63.8	143-149			J	KV	0	40-42-40
NRLT	1	122.6 50.0	324.0	532.0	29.1	67.1	156-162			J	KV	0	48-46-52
NUBR	1	122.6 50.0	307.0	528.0	31.1	68.3	149-152			J	KV	0	48-56-52
RALL	1	122.6 50.0	330.0	532.0	32.0	58.0	159-163						
RNAA	1	122.6 50.0	302.0	511.0	31.4	68.3	140-146			J	KV	0	50-56-54
NCNL	1	30.6 25.0	312.0	538.0	30.0	66.0	143-156			J	KV	0	48-56-54

PROVA Test Epreuve	NOTE / Remarks / Notes	EN10204/3.1	FORMA Shape / Forme : 1 = ∅ 2 = □
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FUCB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.401.05 MEGA/ISMA*529218 MEGA*
NRLT	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.8922.06 MEGA/ISMA*535183 MEGA*
NUBR	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.230.06 CARLOTTO*536202 MEGA*
RALL	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.3256.METALFAR*
RNAA	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.58.CARLOTTO*543953MEGA*
NCNL	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT.26.06 EVASI*530822 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
FUCB	014	200		45 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK
NRLT	015	300		45 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/2	OK
NUBR	016	300		45 DEG. ELBOW S. 3000 NPT A/SA105N 2	OK
RALL	017	24		45 DEG. ELBOW S. 3000 NPT A/SA105N 2.1/2	OK
RNAA	017	6		45 DEG. ELBOW S. 3000 NPT A/SA105N 2.1/2	OK
NCNL	020	300		TEE S. 3000 NPT A/SA105N 1/8	OK

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