

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. 554255 FOGLIO 3
Certificate N. Sheet
Certificat N. Feuille

DATA / Date 06/11/08

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 223
Purchase order
Commande

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 %
KDSA	ASTM A105/05	0835650/08	0.185 --->	0.250 Nb%=0.0027	1.100	0.002	0.011	00.12	00.01	0.002	0.000	0.022	0.004	0.030	0.395
RNUA	ASTM A105/05	0745421/07	0.180 --->	0.230 Nb%=0.0022	1.050	0.002	0.020	00.12	00.02	0.014	0.000	0.027	0.003	0.030	0.368
RNUB	ASTM A105/05	063498406	0.180 --->	0.245 Nb%=0.002	1.070	0.003	0.018	00.06	00.09	0.003	0.000	0.045	0.004	0.035	0.380
RWDD	ASTM A105/05	07/75392	0.190 --->	0.220 Nb%=0.000	0.880	0.009	0.009	00.07	00.05	0.010	0.023	0.160	0.020	0.026	0.370
KDFB	ASTM A105/05	0834828/08	0.175 --->	0.270 Nb%=0.0034	1.090	0.003	0.017	00.26	00.02	0.006	0.000	0.031	0.003	0.033	0.413
FCXU	ASTM A105/02	15747	0.217 --->	0.230 Nb%=0.001	0.950	0.002	0.014	00.11	00.15	0.020	0.004	0.110	0.004	0.019	0.419

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	
KDSA	1	60.1	35.0	303.0	518.0	31.5	68.6	143-149			J	KV	0	48-48-50
RNUA	1	30.6	25.0	301.0	522.0	31.4	68.2	143-152			J	KV	0	48-52-50
RNUB	1	30.6	25.0	332.0	542.0	28.4	63.5	159-167			J	KV	0	52-58-50
RWDD	1	60.1	35.0	300.0	520.0	31.0	68.0	143-146			J	KV	0	50-48-52
KDFB	1	122.6	50.0	304.0	512.0	31.2	68.4	143-149			J	KV	0	48-58-50
FCXU	1	30.6	25.0	322.0	534.0	29.6	67.4	150-156			J	KV	0	44-58-50

PROVA Test Epreuve	NOTE / Remarks / Notes	ENI0204/3.1	FORMA Shape / Forme	: 1 = <input type="checkbox"/> 2 = <input type="checkbox"/>
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KDSA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10000.MEGA/I*551893 MEGA*
RNUA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9587.MEGA/I*545572MEGA*
RNUB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9485.MEGA/I*543781MEGA*
RWDD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9691.MEGA/I*546906MEGA*
KDFB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.9943.MEGA/I*551015 MEGA*
FCXU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT.10257.04 METALM.LOMB.*247523 MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
KDSA	059	5000	60010	90 DEG. ELBOW S. 3000 SW A/SA105N 1	OK
RNUA	060	14	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
RNUB	060	40	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
RWDD	060	446	60012	90 DEG. ELBOW S. 3000 SW A/SA105N 1.1/4	OK
KDFB	062	1500	60020	90 DEG. ELBOW S. 3000 SW A/SA105N 2	OK
FCXU	073	2000	63007	UNION S. 3000 SW A/SA105N 3/4	nut OK

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