

M.E.G.A.

CLIENTE
Customer
Client

PROVEEDORA DE MATERIALES ANGER
SA DE CV
ALFONSO REYES 4030 NTE.
COL. DEL NTE. MONTERREY, N.L.

CERTIFICATO N. 555445 FOGLIO 1
Certificate N. Sheet
Certificat N. Feuille
DATA / Date 12/01/09

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE 225
Purchase order
Commande

COMMESSA 85820
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 %
KALU	ASTM A105/05	07778956	0.185 --->	0.210 Nb%= 0.001	0.890	0.006	0.007	00.06	00.05	0.010	0.021	0.170	0.016	0.022	0.365
RCUF	ASTM A105/05	0744078/07	0.160 --->	0.205 Nb%=0.0025	1.050	0.005	0.013	00.13	00.02	0.019	0.000	0.029	0.003	0.022	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
RUBS	ASTM A105/05	0744578/07	0.170 --->	0.225 Nb%=0.0024	1.070	0.005	0.011	00.12	00.02	0.004	0.000	0.059	0.003	0.035	0.378
RUCR	ASTM A105/05	1T 29402	0.200 --->	0.250	0.790	0.015	0.015	00.09	00.07	0.010	0.000	0.240	0.000	0.020	0.372
RWXR	ASTM A105/05	9164-07	0.190 --->	0.197 Nb%= 0.002	1.000	0.005	0.009	00.10	00.20	0.050	0.000	0.230	0.003	0.022	0.415
															CEs= 0.356

PROVA Test Epreuve	PROVETTA Test specimen / Epreouvette		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
KALU	1	30.6	25.0	291.4	501.2	32.0	71.0	137-143		J	KV	0	40-44-42
RCUF	1	30.6	25.0	315.0	533.0	29.1	66.4	143-156		J	KV	0	54-58-52
RNUB	1	30.6	25.0	332.0	542.0	28.4	63.5	159-167		J	KV	0	52-58-50
RUBS	1	30.6	25.0	292.0	500.6	32.3	71.8	140-143		J	KV	0	54-56-60
RUCR	1	30.6	25.0	301.0	512.0	31.4	68.2	143-149		J	KV	0	54-52-58
RWXR	1	60.1	35.0	318.0	533.0	29.0	66.0	151-160		J	KV	0	52-50-56

PROVA Test Epreuve	NOTE / Remarks / Notes	EN10204/3.1	FORMA Shape / Forme : 1 = <input type="checkbox"/> 2 = <input type="checkbox"/>
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KALU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10076.MEGA/I*553469MEGA*
RCUF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9334.MEGA/I*541287MEGA*
RNUB	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9485.MEGA/I*543781MEGA*
RUBS	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9847.MEGA/I*549664MEGA*
RUCR	ELECT.FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.123.EVASI*544285MEGA*
RWXR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9681.MEGA/I*546582MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
KALU	001	1618		90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
RCUF	001	382		90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
RNUB	002	492		90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RUBS	002	1450		90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RUCR	002	58		90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
RWXR	003	2000		90 DEG. ELBOW S. 3000 NPT A/SA105N 1.1/4	OK

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