

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 555445 FOGLIO 3
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 %
RNUU	ASTM A105/05	0745393/07	0.170 --->	0.235 Nb%=0.0014	1.060 B %=0.000	0.004	0.007	00.09	00.10	0.019	0.000	0.032	0.003	0.026	0.377
KALF	ASTM A105/05	07771089	0.185 --->	0.190 Nb%=0.001	0.890 B %=0.000	0.007	0.009	00.08	00.04	0.010	0.021	0.150	0.020	0.024	0.367
KACA	ASTM A105/05	07779891	0.190 --->	0.200 Nb%=0.000	0.920 N %=0.000	0.006	0.015	00.09	00.05	0.010	0.021	0.140	0.020	0.026	0.379
NXBR	ASTM A105/05	0672453	0.200 --->	0.180 Nb%=0.000	0.900 N %=0.000	0.010	0.010	00.08	00.04	0.010	0.017	0.130	0.019	0.023	0.383
RTTT	ASTM A105/05	074376707	0.185 --->	0.250 Nb%=0.002	1.060 N %=0.000	0.002	0.011	00.10	00.03	0.007	0.030	0.047	0.003	0.027	0.388
RDRD	ASTM A105/05	0744577/07	0.190 --->	0.235 Nb%=0.0024	1.080	0.006	0.014	00.12	00.01	0.005	0.000	0.035	0.003	0.026	0.398

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SNERVAMENTO Yield point Limite d'élasticité	ROTTURA 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
RNUU	30.6	25.0	294.0	499.0	32.6	71.8	138-143			J	KV	0	52-50-54
KALF	60.1	35.0	300.0	519.0	32.4	68.3	143-149			J	KV	0	68-60-58
KACA	60.1	35.0	321.0	537.0	29.0	67.2	156-159			J	KV	0	50-50-56
NXBR	122.6	50.0	352.0	556.0	26.9	59.8	172-180			J	KV	0	58-54-52
RTTT	60.1	35.0	302.0	515.0	31.4	68.3	143-152			J	KV	0	52-50-56
RDRD	122.6	50.0	298.0	504.0	33.4	71.5	137-143			J	KV	0	48-56-50

PROVA Test Epreuve NOTE / Remarks / Notes EN10204/3.1

FORMA Shape / Forme : 1 = Ø 2 = □

RNUU	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9498.MEGA/I*544286MEGA*	
KALF	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9813.MEGA/I*548939 MEGA*	
KACA	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9848.MEGA/I*549644MEGA*	
NXBR	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9150.MEGA/I*538927 MEGA*	
RTTT	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9534.MEGA/I*544692MEGA*	
RDRD	ELECT.FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9801.MEGA/I*548939 MEGA*	

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RNUU	010	328		TEE S. 3000 NPT A/SA105N 3/4	OK
KALF	011	1000		TEE S. 3000 NPT A/SA105N 1	OK
KACA	012	266		TEE S. 3000 NPT A/SA105N 1.1/4	OK
NXBR	012	43		TEE S. 3000 NPT A/SA105N 1.1/4	OK
RTTT	012	491		TEE S. 3000 NPT A/SA105N 1.1/4	OK
RDRD	013	500		TEE S. 3000 NPT A/SA105N 1.1/2	OK

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