

6003-99-51.0 - 4th 2nd 1983

M.E.G.A.

CLIENTE
Customer
Client

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

CERTIFICATO N. 564220
Certificate N.
Certificat N.

FOGLIO
Sheet
Feuille

DATA / Date 31/07/09

COMMESSA
Job N.
Contratation de commande 89369

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

ORDINE
Purchase order
Commande 237

PROVA Test Epreuve	MATERIALE Material / Matière	COLATA Heat / Coulee	C %	SI %	Mn %	S %	P %	Cr %	NI %	Mo %	Ti %	Cu %	V %	Al %	CE %
KARU	ASTM A105/05	0834881/08	0.195	0.250	1.090	0.003	0.014	00.11	00.01	0.008	0.000	0.063	0.002	0.034	0.405
			--->	Nb % = 0.004	B % = 0.000									CEs = 0.000	
KTRT	ASTM A105/05	0835645/08	0.180	0.220	1.070	0.004	0.013	00.12	00.02	0.004	0.000	0.030	0.000	0.029	0.386
			--->	Nb % = 0.0012										CEs = 0.358	
KANB	ASTM A105/05	0745423/07	0.190	0.240	1.090	0.002	0.018	00.11	00.01	0.005	0.000	0.042	0.003	0.039	0.399
			--->	Nb % = 0.0024										CEs = 0.371	
KDTF	ASTM A105/05	0834855/08	0.180	0.225	1.100	0.003	0.015	00.11	00.01	0.006	0.000	0.048	0.003	0.038	0.392
			--->	Nb % = 0.0014										CEs = 0.363	
KFBL	ASTM A105/05	0834856/08	0.180	0.260	1.090	0.004	0.017	00.12	00.01	0.003	0.000	0.030	0.003	0.040	0.389
			--->	Nb % = 0.0013	B % = 0.000									CEs = 0.361	
RUBR	ASTM A105/05	0730977/07	0.190	0.245	1.060	0.005	0.012	00.12	00.02	0.021	0.000	0.045	0.003	0.030	0.399
			--->	Nb % = 0.0023	B % = 0.000									CEs = 0.366	

PROVA Test Epreuve	PROVETTA Test specimen / Epreuve		SMEVAMENTO MPa z Yield strength Limite d'élasticité	ROTTURA MPa z Tensile strength Rupture	ALLUNGAMENTO % z Elongation Allongement	CONTRAZIONE % z Reduction of area Striction	DUREZZA Hb Hardness Dureté	MEGA Bend test Phage	SCHIACC. Flatt. test Adress.	RESISTENZA Impact test / Résistance			
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ UNIT	TPO Type	T. °C Test temp	VALORE / Value / Donnée
KARU	30.6	25.0	299.0	522.0	31.5	68.4	143-149			J	KV	0	42-42-38
KTRT	30.6	25.0	323.0	539.0	29.4	66.8	149-156			J	KV	0	46-54-58
KANB	30.6	25.0	294.0	505.0	33.3	71.4	137-143			J	KV	0	36-38-34
KDTF	30.6	25.0	301.0	521.0	32.3	69.2	143-149			J	KV	0	40-44-46
KFBL	30.6	25.0	305.0	527.0	32.3	69.3	143-149			J	KV	0	40-44-46
RUBR	60.1	35.0	302.0	518.0	31.7	68.3	143-149			J	KV	-10	48-50-56

PROVA NOTE / Remarks / Notes EN10204/3.1

KARU ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10004.MEGA/I*552204 MEGA*
 KTRT ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10132.MEGA/I*554448 MEGA
 KANB ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10140.MEGA/I*554448MEGA
 KDTF ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10120.MEGA/I*554223MEGA
 KFBL ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.10130.MEGA/I*554448MEGA
 RUBR ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR. /CERT.9545.MEGA/I*544876MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
KARU	002	3500	50005	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
KTRT	003	2500	50007	90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
KANB	010	3500	52005	TEE S. 3000 NPT A/SA105N 1/2	OK
KDTF	011	2500	52007	TEE S. 3000 NPT A/SA105N 3/4	OK
KFBL	012	1787	52010	TEE S. 3000 NPT A/SA105N 1	OK
RUBR	012	213	52010	TEE S. 3000 NPT A/SA105N 1	OK

NOTE / Remarks / Notes

MATERIAL ACCORDING TO NACE MR0175/ 2003.

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Officiel

CAPO COLLAUDO
Chief Inspection DPT
Responsable assurance qualité

DOC. CERT. M.E.G.A.
Emmanuel Centemeri