

MEGA

CLIENTE
Customer
Client

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

CERTIFICATO N. 563812 FORNITORE 1
Certificate N. Sheet
Certificat N. Folio

DATA / Date 17/07/09

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

DIRITTO
Purchase order
Comanda 237

COMMESSA 89369
Job N.
Confirmation de commande

PROVA Test Epreuve	MATERIALE Steel quality / Matière	COLATA Heat / Gouille	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
RFLR	ASTM A105/05	07775770	0.180 --->	0.230 Nb% = 0.000	0.870 N % = 0.000	0.005 Sn% = 0.018	0.013	00.12	00.05	0.010	0.000	0.150	0.000	0.025	0.364
KARU	ASTM A105/05	0834881/08	0.195 --->	0.250 Nb% = 0.004	1.090 B % = 0.000	0.003	0.014	00.11	00.01	0.008	0.000	0.063	0.002	0.034	0.405
KALU	ASTM A105/05	07778956	0.185 --->	0.210 Nb% = 0.001	0.890 B % = 0.000	0.006	0.007	00.06	00.05	0.010	0.021	0.170	0.016	0.022	0.365
KDNC	ASTM A105/05	0834880/08	0.195 --->	0.245 Nb% = 0.0033	1.140 B % = 0.000	0.004	0.011	00.12	00.02	0.015	0.000	0.047	0.004	0.025	0.417
KXUL	ASTM A105/05	HZF*75215	0.200 --->	0.240 Nb% = 0.000	0.960 N % = 0.000	0.015	0.012	00.10	00.06	0.010	0.005	0.170	0.001	0.022	0.397
RLWD	ASTM A105/05	HNZ/79983	0.195 --->	0.240 Nb% = 0.000	0.870 N % = 0.000	0.022	0.015	00.08	00.05	0.010	0.006	0.180	0.002	0.022	0.373

PROVA Test Epreuve	PROVETTA Test equipment / Epreuve		SHERVAMENTO Hardness Valeur de la dureté Limite d'élasticité	ROTTURA Rupture Tensile strength Rupture	ALLUNGAMENTO % Elongation Allongement	CONTRAZIONE % Reduction of area Réduction	DUREZZA HB Hardness Dureté	MEGA Boac test Etago	SCHACC. Flat 1000 Achats	RESILLENZA Impact test / Résilience		
	SEZIONE Section / Sect.	LUNGHEZZA Length / Longueur								UNITÀ MIS. Unit system	TIPO Type	VALORE / Value / Donnée
RFLR	30.6	25.0	302.0	509.0	31.8	68.2	143-149		J	KV	0	52-54-48
KARU	30.6	25.0	299.0	522.0	31.5	68.4	143-149		J	KV	0	42-42-38
KALU	30.6	25.0	291.4	501.2	32.0	71.0	137-143		J	KV	0	40-44-42
KDNC	30.6	25.0	321.0	536.0	29.3	67.2	149-156		J	KV	0	46-48-54
KXUL	122.6	50.0	335.0	540.0	33.0	58.0	164-166		J	KV	0	50-48-42
RLWD	122.6	50.0	302.0	519.0	31.0	68.0	143-150		J	KV	0	52-48-50

PROVA Test Epreuve

NOTE / Remarks / Notes

EN10204/3.1

FORMA Shape / Forme : 1 = Ø 2 = □

RFLR	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT. 59.EVASI*540261 MEGA*
KARU	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT. 10004.MEGA/I*552204 MEGA*
KALU	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT. 10076.MEGA/I*553469MEGA*
KDNC	ELECT. FURNACE-NORMALIZED AT 900 C COOLED IN STILL AIR.	/CERT. 10100. MEGA/I*553998 MEGA*
KXUL	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT. 4006.METALFAR*
RLWD	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR.	/CERT. 21.METALFAR* MEGA*

PROVA Test Epreuve	POS. Item Pos.	QUANTITÀ Quantity Quantité	CODICE CLIENTE Customer code Code client	DESCRIZIONE / Description / Description	VISUAL AND DIMENSIONAL
RFLR	001	300	50002	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/4	OK
KARU	002	3500	50005	90 DEG. ELBOW S. 3000 NPT A/SA105N 1/2	OK
KALU	003	2500	50007	90 DEG. ELBOW S. 3000 NPT A/SA105N 3/4	OK
KDNC	004	2500	50010	90 DEG. ELBOW S. 3000 NPT A/SA105N 1	OK
KXUL	007	50	50030	90 DEG. FIBOW S. 3000 NPT A/SA105N 3	OK
RLWD	008	50	51030	45 DEG. ELBOW S. 3000 NPT A/SA105N 3	OK

NOTE / Remarks / Notes

ENTE UFFICIALE DI COLLAUDO
Inspection Authority
Service Inspection Official

CAPO COLLAUDO
Chief Inspector
Responsable des opérations de qualité

DOC. CERT. M.E.G.A.
[Signature]