

QUALITY CERTIFICATE N. 106029

CERTIFICATO DI COLLAUDO
TEST CERTIFICATE
CERTIFICAT DE CONTROLE
ABNAHMEZEUGNIS



CLIENTE Ferreteria ANAHUAC s.a. de C.V.
Customer VALLE DE LAS ALAMENDAS 66 B
Client ESQ. J.L. PORTILLO S.F.C. AN
Kunde 54940 TULTILAN, EDO DE MEXICO
MEXICO

ORDINE 98/002
Order
Commande
Bestellung

CERTIFICATO N° 106029 **FOGLIO** 1
Certificate No.
Certificat N° Sheet
Zeugnis N. Feuille
Blatt

DATA 16/02/98
Date
Datum

COMMESSA 49755
Mill order
Confirmation de commande
Komm.

PROVA Test Epreuve Probe	Materiale / Steel quality Matière / Stahlsorte	COLATA / Heat Coulée / Schmelze	C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	Ti %	Cu %	V %	Al %	CE %
5BCB	ASTM A105N/93b	FBMIX72510	0.180	0.210	0.830	0.008	0.010	00.17	00.11	0.040	0.000	0.220	0.003	0.029	0.382
5BLF	ASTM A105N/93b	29626711	0.190	0.290	0.900	0.004	0.006	00.02	00.02	0.004	0.000	0.030	0.004	0.043	0.348
6ACA	ASTM A105N/95b	MSR*75903	0.162	0.243	1.210	0.011	0.009	00.10	00.13	0.035	0.000	0.219	0.004	0.042	0.416
6BSK	ASTM A105N/95b	85178	0.193	0.219	0.775	0.007	0.012	00.08	00.07	0.019	0.000	0.172	0.003	0.027	0.360
6DXN	ASTM A105N/95b	82807	0.160	0.220	1.150	0.016	0.016	00.08	00.09	0.023	0.000	0.207	0.004	0.031	0.394
6FTK	ASTM A105N/95b	031010	0.200	0.240	0.970	0.006	0.010	00.12	00.02	0.001	0.000	0.007	0.002	0.000	0.388
6FUA	ASTM A105N/95b	70521/95	0.200	0.270	1.000	0.010	0.024	00.09	00.02	0.000	0.000	0.060	0.000	0.036	0.389

PROVA Test Epreuve Probe	PROVETTA / Test specimen Eprouvette / Prüfgegenstand		SNERVAMENTO N/mm ₂ ≥ Yield point Limite d'élasticité Streckgrenze	ROTTURA N/mm ₂ ≥ Tensile strength Rupture Zugfestigkeit	ALLUNGAMENTO % ≥ Elongation Allongement Dehnung	CONTRAZIONE % ≥ Reduction of area Striction Einschnürung	DUREZZA HB Hardness Dureté Härte	PIEGA Bend test Pliage Faltestversuch	SCHIACC. Flatt test Aplattiss. Ringfaltv.	RESILIENZA / Impact test / Résilience / Kerbschlagzähigkeit					
	* SEZIONE Section/ Sect. Querschn.	LUNGHEZZA Length / Longueur Länge								UNITÀ MIS.	TIPO	T. °C	VALORE / Value / Données / Wert		
5BCB	1	30.1	25.0	320.0	533.0	28.4	59.0	152-156							
5BLF	1	30.1	25.0	350.0	512.0	30.7	62.5	142-145							
6ACA	1	60.1	36.5	318.0	533.0	32.4	71.5	155-158							
6BSK	1	30.1	25.0	328.0	542.0	29.7	68.4	154-157							
6DXN	1	30.1	25.0	310.0	528.0	31.4	68.2	155-159							
6FTK	1	122.6	50.0	312.0	538.0	31.6	69.4	159-164							
6FUA	1	30.1	25.0	328.0	536.0	29.5	66.3	158-161							

PROVA Test Epreuve Probe
NOTE / Remarks / Notes / Anmerkung EN10204/3.1B ** DIN 50049 3.1B.
*** FORMA / Shape** : 1 = 2 =

5BCB	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.235.95 FEAT*72878 MEGA*Nb:0.001%*
5BLF	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.HS 618.95 SIDER SCAL*68673 MEGA*Nb:0.0021%*
6ACA	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.102.96 METALFAR*75780 MEGA*Nb:0.003%*
6BSK	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.624.96 FEAT*76308 MEGA*Nb:0,003%*
6DXN	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.34222.96 VENETE*76061 MEGA*Nb:0.004%*
6FTK	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.35888.96 LUCCHINI SIDER.*76185 MEGA*Nb:0,002%
6FUA	ELECT. FURNACE-NORMALIZED AT 920 C COOLED IN STILL AIR. /CERT.3468.95 SIAT*76141 MEGA*Nb:<0.02%*

PROVA Test Epreuve Probe	POS. Item Pos.	QUANTITÀ Quantity Quantité Stückzahl	CODICE CLIENTE / Cust. code Code client / Kunde kode	DESCRIZIONE / Description / Description / Gegenstand	VISUAL AND DIMENSIONAL
5BCB	044	220		UNION S. 3000 NPT A105N 2	OK
5BCB	049	300		UNION S. 3000 SW A105N 2	OK
5BLF	001	50		90 DEG. ELBOW S. 3000 NPT A105N 1/8	OK
6ACA	009	30		45 DEG. ELBOW S. 3000 NPT A105N 1.1/4	OK
6BSK	048	100		UNION S. 3000 SW A105N 1.1/2	OK
6DXN	018	100		45 DEG. ELBOW S. 3000 SW A105N 1/2	OK
6FTK	036	525		TEE S. 3000 SW A105N 1.1/2	OK
6FUA	042	165		UNION S. 3000 NPT A105N 1.1/4	OK

M.E.G.A. s.p.a.
Scanzorosciate (BG)
[Signature]

NOTE / Remarks / Notes / Anmerkung	ENTE UFFICIALE DI COLLAUDO / Insp. Authority Service Inspection Official / Abnahme Verein	CAPO COLLAUDO / Chief inspection DPT. le Chef de la Reception / Chef der Abnahmeabteilung
---	---	---

THE CHEMICAL AND MECHANICAL PROPERTIES ARE A TRUE AND CORRECT COPY OF MILL TEST CERT. ISSUED BY THE STEEL MILL, OR BY THE LABORATORY WHICH HAS DETERMINED IT.

M.E.G.A.
Samantha Rizzi