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CERTIFICADO DE CALIDAD INSPECTION CERTIFICATE (DIN EN 10204 3.1 B - ISO 10474 3.1 B)		Numero: 15799	Página/Page: 1 DE 1
Vendido a: Sold to: FLESA ANAHUAC	Pedido del Cliente No: Customers Order No: 1150 1151 1019	Fecha/Date: 24 de Marzo de 2006	
Especificaciones y Grados / Standard or Specification and Steel Grade Seamless Fittings according to ASTM A 234-97, A334-02 / ASME AISA 234 WPB - NACE MR 01.75-2003 - Conform to ASME II Ed. 2001	Dimensiones y tolerancias / Dimension and tolerances ASME B 16.9 and ASME B 16.28 edition 2001	Lista de Empaque: Packing List 8103	Factura/Invoice: Bocas / Ends Biselado / Bevelled ends

DESCRIPCION DE MATERIAL / MATERIAL DESCRIPTION		PRUEBAS MECANICAS / MECHANICAL TEST				PRUEBA DE IMPACTO 0°C / IMPACT TEST 0°C			
ART. ITEM	COLADA HEAT CODE	CANTIDA QUANTITY	DESCRIPCION / DESCRIPTION	ESF. CEDENCIA YIELD STRENGTH (Mpa)	ESF. RUPTURA TENSILE STRENGTH (Mpa)	ELONG. %Z'	DUREZA HARDNESS HB	DIMENSIONES SAMPLE DIM (mm)	PROMEDIO AVERAGE Joules
1	T26676	6	CONC. RED. 12 X 6 SCH-STD	318	473	44	122		
2	T25337	13	CONC. RED. 16 X 10 SCH-STD	364	482	40	126		
3	T25337	6	CONC. RED. 16 X 12 SCH-STD	364	482	40	126		
4	COJ5	12	RED. TEE 2 X 1 1/2 SCH-XH	343	496	36	163		
5	GJ4	10	RED. TEE 3 X 2 1/2 SCH-STD	304	468	39	116		
6	HS5	5	RED. TEE 3 X 2 SCH-XH	323	485	38	144		
7	QH5	5	RED. TEE 4 X 2 SCH-XH	313	469	48	156		

ANALISIS QUIMICO / CHEMICAL ANALYSIS													
PROCESO PROCESS	COLADA HEAT CODE	COLADA/HEAT MP / MOTHER PIPE	%C	%Mn	%P	%S	%Si	%Cr	%Cu	%Mo	%Ni	%V	%Nb
CF	T26676	26676	0.304	0.170	0.010	0.002	0.290	0.060	0.065	0.002	0.040	0.000	0.000
CF	T25337	25337	0.320	0.190	0.011	0.003	0.270	0.040	0.073	0.013	0.040	0.000	0.000
CF	T25337	25337	0.320	0.190	0.011	0.003	0.270	0.040	0.073	0.013	0.040	0.000	0.000
CF	COJ5	50542	0.283	0.160	0.019	0.003	0.230	0.030	0.070	0.010	0.020	0.004	0.000
CF	GJ4	KMOOJZ	0.287	0.150	0.007	0.005	0.230	0.050	0.110	0.010	0.020	0.007	0.000
CF	HS5	49451	0.326	0.170	0.011	0.001	0.240	0.100	0.001	0.050	0.110	0.001	0.000
CF	QH5	202282	0.300	0.170	0.011	0.001	0.250	0.060	0.100	0.010	0.040	0.001	0.001

Notas:
 Formado en caliente a 750°C-840°C, enfriado al aire. Formado in hot normalized at 840°C max.
 Hot formed fittings in a range from 750°C to 840°C, cooled in air.
 Cold formed normalized at 840°C max.
 Holding time 10'
 Visual dimension checked. Satisfactory
 CF FORMADO EN CALIENTE/HOT FORMED CF FORMADO EN FRIOCOLD FORMED

The Products described herein were produced in accordance with the above referenced specification and are identified with the "R" which is permanently marked on each fitting.

Jefe de Aseguramiento de Calidad:
 Quality Assurance Coordinator
 ING. JOSE MARTINEZ MACIAS

CC-008