

PLESA ANAHUAC Y CIA S.A.C.V.  
AV. VALLE DE LAS ALAMEDAS, 66-O  
COL. SAN FRANCISCO CHILPAN  
54940 TULTITLAN-EDO. DE MEXICO

**CERTIFICADO DE INSPECCION**  
Works Certificate - Certificat d'Usine

DIN EN 10204 / 3.1  
ISO 10474 / 3.1

FECHA / Date  
28/02/2006

N.º No  
105279

HQJA: Page: 1

N.º: SGI 1922164

ULMA FORJA, S.COOP



PRODUCTO / Article - Product  
BRIDAS / ASME B16.5-96  
SU PEDIDO N.º / Your Order No  
522 (21.10.05)  
Your Order No  
Vale Cde. N.º

DE / of  
21/10/2005

Certified acc: PED 9/12/2005  
by IUV Rheinland  
N.º 01 207 FAO 02 7443

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50684



MATERIAL CORRESPONDIENTE / Material Correspondent - Quilite  
ASTMA105N-03  
MODE DE FUSION (\*) / Steel Making - Elaboration de l'acier  
NACE MR-01-75/03  
F = 1 lec. Y - Oxigeno basico

DEPARTAMENTO / Section  
GARRANTIA CALIDAD / Department

PARTIDA / Item / Poste	CANTIDAD / Quantity / Quantite	DESCRIPCION / Description / Description	RESISTENCIA / Tensile Strength / Resist Puq	ALARGAMIENTO / Elongation / Allongement	SECCION / Red Area / Section	RESILIENCIA / Impact test / Resilience	MEQVA / Average Mechanical	DUREZA / Hardness / Durete
2	23	SO 4 150LB RF A105N	516	319	32.20	65.30		150
2	48	SO 4 150LB RF A105N	519	318	33.70	66.80		151
2	397	SO 4 150LB RF A105N	520	314	32.60	64.00		151
11	2	WN 10 300LB S40 RF A105N	521	317	32.60	65.00		152
11	4	WN 10 300LB S40 RF A105N	518	320	32.70	65.00		150
13	105	WN 3 300LB S80 RF A105N	517	313	32.40	63.80		149
16	20	WN 2 1/2 600LB S40 RF A105N	518	326	33.00	67.40		151
19	8	WN 10 600LB S40 RF A105N	517	320	33.00	66.40		150

**COMPOSICION QUIMICA - STEEL MARKER'S LADLE ANALYSIS - ANALYSE CHIMIQUE**

COLADA N.º / Heat No / N.º Coche	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Nb %	V %	Cu %	CEQ %
12A6	0.200	0.220	0.850	0.015	0.003	0.130	0.100	0.040	0.007	0.002	0.320	0.404
212A5	0.180	0.300	0.860	0.008	0.006	0.080	0.120	0.030	0.007	0.001	0.240	0.370
266A4	0.190	0.240	0.860	0.017	0.005	0.060	0.150	0.040	0.007	0.001	0.390	0.390
27A6	0.180	0.220	0.820	0.014	0.002	0.130	0.100	0.040	0.007	0.001	0.240	0.374
32A6	0.190	0.250	0.840	0.011	0.005	0.090	0.100	0.030	0.007	0.001	0.230	0.376
358A5	0.190	0.260	0.820	0.009	0.013	0.100	0.110	0.060	0.007	0.001	0.310	0.387
361A5	0.190	0.300	0.860	0.008	0.001	0.110	0.100	0.080	0.007	0.001	0.310	0.399
4A6	0.190	0.290	0.850	0.013	0.001	0.100	0.090	0.020	0.007	0.001	0.250	0.379

- Las dimensiones y la condicion superficial se hallaron satisfactorias
- Dimension and surface condition were found acceptable
- Les dimensions et etats de surface sont satisfaisants
- Los materiales citados cumplieron los requisitos aplicables
- Manufacturing requirements are satisfied
- Les normes applicables sont respectees

EL INSPECTOR / Works Inspector - l'inspecteur

(\*) OBSERVACIONES / Remarks / Observations  
N.º NORMALIZADO A 900 C Y ENFRIADO EN AIRE EN CALMA

