

Customer / Client
PLESA ANAHUAC Y CIA, S.A.C.V.
AV. VALLE DE LAS ALAMEDAS, 66-0
COL. SAN FRANCISCO CHILPAN
54940 TULTITLANEDO. DE MEXICO

CERTIFICADO DE INSPECCION

Inspection Certificate - Certificat de Réception ISO 10474 / 3.1

DIN EN 10204 / 3.1

FECHA: 24/07/2008
 Date: 24/07/2008

N.º 122441

HOJA: 2

SGI 1922164

SGI 6000236

ULMA FORJA, S.COOP.

SU PEDIDO N.º
 Your Order No. **O.C. 4459 (15.04.08)**
 Votre Cde. N.º

DE of. - de **15/04/2008**

Certified acc. PED 9723/EC
 by TÜV Rheinland
 N.º 01 202 EQ 02 7443

Bº Zubillaga, 3 - Appdo. 14
 20560 ONATI (Gipuzkoa) SPAIN
 Tel.: 34 - 943 780552
 Fax: 34 - 943 781808
 E-mail: ulma@ulmapiping.com

NORMAS APLICABLES
 Requirements - Normes Applicables
ASME B16.5-03

MATERIAL CORRESPONDIENTE **ASTMA105N-05**
 Material Correspondent - Qualité **ASME SA105N-05**

MODO DE FUSION (*) **NACE MR-01-75/05 & MR-01-03/03**

Steel Making - Elaboration de l'acier
 E = Elec. Y = Oxígeno básico

MARCA DEL FABRICANTE
 Mark of factory
 Marque du fabricant



68038

DEPARTAMENTO GARANTÍA CALIDAD
 Section

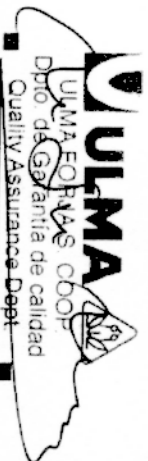
PARTIDA Item Poste	CANTIDAD Quantity Quantité	DESCRIPCION Description Description	OBSERVACIONES Remarks Observations (*)	COLADA N.º Heat No N.ºCoulée		RESISTENCIA T. Strength Resist Rupt		LIMITE ELAST. Y. Strength Limite Elast.		ALARGAM. Elongation Allongement		ESTRICCION Red. Area Striction	RESILIENCIA Impact test Résilience	MEDIA Average Moyenne		DUREZA Hardness Dureté
				N.º	Heat No	N/mm2	N/mm2	%	%	Joules	°C			HB		
8	20	WN 1 150LB S40 RF A105N	NE	427A7	520	319	32.80	65.00	32.30	64.00	28.70	56.30	148 154	151 156	151 156	150 156
9	40	WN 1.1/2 150LB S40 RF A105N	NE	56A8	514	310	28.30	56.50	28.30	53.70	28.40	53.70	148 154	149 155	150 156	150 156
10	10	WN 1.1/2 150LB S80 RF A105N	NE	474A7	517	303	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
11	49	WN 2 150LB S40 RF A105N	NE	102A8	520	306	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
11	39	WN 2 150LB S40 RF A105N	NE	55A8	514	305	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
12	60	WN 4 150LB S40 RF A105N	NE	149A8	517	309	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
13	20	WN 4 150LB S80 RF A105N	NE	51A8	515	303	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
14	27	WN 6 150LB S40 RF A105N	NE	102A8	520	305	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
14	5	WN 6 150LB S40 RF A105N	NE	106A8	519	303	28.40	56.00	28.40	53.70	28.40	53.00	150 156	150 156	150 155	150 155
14	18	WN 6 150LB S40 RF A105N	NE	119A8	515	304	28.50	56.30	28.50	56.30	28.50	56.30	150 156	150 156	150 155	150 155

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

COLADA N.º Heat No N.ºCoulée	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Nb %	V %	Cu %	Al %	Ti %	N %	CEq %
102A8	0.210	0.240	0.870	0.012	0.004	0.080	0.100	0.010	0.000	0.001	0.300	0.024	0.000	0.000	0.400
106A8	0.200	0.230	0.850	0.014	0.009	0.060	0.130	0.008	0.000	0.001	0.350	0.020	0.000	0.000	0.387
119A8	0.210	0.220	0.850	0.013	0.007	0.060	0.110	0.010	0.000	0.001	0.230	0.024	0.000	0.000	0.389
149A8	0.210	0.210	0.840	0.011	0.007	0.070	0.100	0.010	0.000	0.001	0.240	0.024	0.000	0.000	0.389
427A7	0.210	0.270	1.010	0.010	0.003	0.090	0.050	0.007	0.000	0.000	0.140	0.030	0.000	0.000	0.410
474A7	0.200	0.240	0.880	0.015	0.009	0.070	0.090	0.010	0.000	0.000	0.250	0.021	0.000	0.000	0.386
51A8	0.200	0.230	0.870	0.010	0.005	0.080	0.100	0.010	0.000	0.002	0.210	0.024	0.000	0.000	0.384
55A8	0.180	0.280	0.840	0.015	0.025	0.150	0.070	0.020	0.003	0.003	0.240	0.016	0.000	0.000	0.375
56A8	0.180	0.290	0.830	0.013	0.009	0.180	0.090	0.030	0.003	0.002	0.140	0.015	0.000	0.000	0.376

- Las dimensiones y la condición superficial se hallaron satisfactorias.
- Dimension and surface condition were found acceptable.
- Les dimensions et états de surface sont satisfaisants.
- Los materiales citados cumplen las normas aplicables.
- Manufacturing requirements are satisfied.
- Les normes applicables sont respectées.

EL INSPECTOR
 Works Inspector - L'inspecteur



(*) OBSERVACIONES:
 Remarks
 Observations
N_NORMALIZADO A 900 C Y ENFRIADO EN AIRE EN CALMA