



## QUALITY CERTIFICATE

APS P-9039

DISCHARGE ADDRESS		CUSTOMER	
<b>PLESA ANAHUAC Y CIAS, S.A.DE C.V.</b> <b>AV VALLE DE LAS ALAMEDAS 66-O</b> <b>COL.SAN FRANCISCO CHILPAN</b> <b>54940,TULTITLAN EDO.DE MEXICO</b>		<b>PLESA ANAHUAC Y CIAS, S.A.DE C.V.</b> <b>AV VALLE DE LAS ALAMEDAS 66-O</b> <b>COL.SAN FRANCISCO CHILPAN</b> <b>54940,TULTITLAN EDO.DE MEXICO</b>	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
<b>ARCELOR MADRID, S.L.</b> CARRETERA TOLEDO, N-401 - KM. 9,200 28021 VILLAVERDE (Madrid) TELEF. (91) 797.23.00 - TELEX 22120 - 49632			<b>BILBAO, SPAIN</b>
		PORT OF DISCHARGE	VESSEL
		<b>VERACRUZ (MEXICO)</b>	<b>CARINA</b>
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
<b>igomez</b>	<b>E-19164 Lot: 1</b>	<b>O.C.2156</b>	<b>31/12/2006</b>

Material: WF Vigas, calidad ASTM A-992.

El exportador de los productos incluidos en el presente documento, Autorización aduanera no.

ARCELOR MADRID, S.L. ES/28/0047/03

Declara que, salvo indicación en sentido contrario, estos productos gozan de un origen preferencial ESPAÑA

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
<b>PLESA / VERACRUZ + // ROJOS</b>							
<b>WF BEAMS 18x86</b>	<b>40'</b>	<b>20</b>	<b>3</b>	<b>60</b>	<b>4681</b>	<b>93.620</b>	<b>69641,69642,69643,69647</b>
<b>WF BEAMS 18x119</b>	<b>40'</b>	<b>28</b>	<b>2</b>	<b>56</b>	<b>4318</b>	<b>120.904</b>	<b>69626,69627,69628</b>

TOTAL BUNDLES **48** TOTAL WEIGHT **214.524 Kg.**

A02 EN 10204/3.1.B		CSA G40.21 50W/ASTM A36-04/A572 G50-04/A992-04/A6-04												(B01/B02/B03) A03			
COLADA HEAT	COMPOSICION QUIMICA (%)																
	CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
69626	,082	,800	,184	,014	,011	,002	,096	,112	,018	,515	,017	,028	,28				
69627	,080	,735	,193	,025	,019	,003	,150	,112	,020	,549	,017	,025	,28				
69628	,074	,763	,216	,023	,018	,002	,128	,110	,020	,545	,018	,032	,27				
69641	,080	,794	,193	,021	,019	,002	,096	,122	,022	,510	,018	,035	,28				
69642	,116	,614	,180	,021	,022	,002	,114	,123	,021	,506	,017	,031	,29				
69643	,087	,774	,208	,020	,020	,003	,115	,107	,019	,478	,017	,033	,28				
69647	,110	,776	,223	,017	,015	,003	,107	,107	,021	,500	,017	,025	,31				
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS						MECHANICAL PROPERTIES		A%							
		ReH MPa		Rm MPa		L0=8"											
		C11		C12		C13											
W-18x119	69626	366	372	479	482	23,9	23,7										
W-18x119	69627	349	353	465	468	25,	24,8										
W-18x119	69628	359	361	470	474	24,7	24,6										



**QUALITY CERTIFICATE**

**APS P-9039**

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-18x86	69641	361	365	471	476	23,6	23,4
W-18x86	69642	370	372	494	495	20,7	20,5
W-18x86	69643	368	371	478	483	23,7	23,5
W-18x86	69647	380	386	506	510	22,6	22,5

Z01

**7 análisis**

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.

B06: Marca APM

*Carlos Alvarez*  
 Carlos Alvarez