

A01  
 Arcelor Bergara, S.A.  
 Long Carbon Steel Europe  
 Sections  
 C/BARRA, 6  
 20570 BERGARA (Guipúzcoa)  
 TELEF. (943) 76.19.40 - FAX (943) 76,52,43



## QUALITY CERTIFICATE

APS P-7749

DISCHARGE ADDRESS		CUSTOMER	
PLESA ANAHUAC Y CIAS, S.A.DE C.V. AV VALLE DE LAS ALAMEDAS 66-O COL.SAN FRANCISCO CHILPAN 54940,TULTITLAN EDO.DE MEXICO		PLESA ANAHUAC Y CIAS, S.A.DE C.V. AV VALLE DE LAS ALAMEDAS 66-O COL.SAN FRANCISCO CHILPAN 54940,TULTITLAN EDO.DE MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELOR BERGARA, S.A. C/BARRA, 6 20570 BERGARA (Guipúzcoa) TELEF. (943) 76.19.40 - FAX (943) 765243			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ (MEXICO)	TULA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
aibanez	E-17532 Lot: 1		30/06/2006

Material: WF Vigas, calidad ASTM A-992.

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

ARCELOR BERGARA S.L. ES/48/0021/03

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>O.C. 1407 - / AMARILLO</b>							
WF BEAMS 6x9	40'	10	21	210	3428	34.280	62751,62753
WF BEAMS 6x12	40'	20	18	360	3919	78.380	62730,62731,62758
WF BEAMS 8x10	40'	8	16	128	2903	23.224	62789
WF BEAMS 8x13	40'	24	14	336	3303	79.272	62776,62783,62784
WF BEAMS 8x15	40'	20	14	280	3810	76.200	62773,62774,62775,62784
WF BEAMS 8x15	40'	1	10	10	2721	2.721	62784

TOTAL BUNDLES 83 TOTAL WEIGHT 294.077 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 (%)													CEV					
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn							
B03																			
62730	,110	,613	,205	,038	,015	,003	,141	,106	,019	,422	,010	,031	,28						
62731	,119	,636	,197	,029	,024	,003	,128	,115	,019	,458	,011	,031	,29						
62751	,121	,604	,164	,021	,025	,002	,067	,088	,014	,404	,009	,052	,27						
62753	,129	,617	,182	,030	,021	,003	,091	,071	,014	,441	,010	,080	,29						
62758	,109	,616	,150	,022	,025	,003	,080	,091	,016	,409	,009	,041	,26						
62773	,095	,594	,175	,025	,024	,003	,118	,092	,016	,311	,007	,029	,25						
62774	,113	,611	,177	,028	,031	,004	,145	,082	,014	,302	,010	,045	,27						
62775	,104	,637	,173	,031	,025	,003	,130	,095	,019	,374	,012	,032	,27						
62776	,115	,636	,185	,022	,020	,003	,106	,088	,018	,316	,009	,032	,27						



**QUALITY CERTIFICATE**

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
B06																	
62783	,091	,605	,184	,020	,040	,005	,095	,084	,014	,387	,009	,026	,25				
62784	,101	,622	,172	,018	,028	,003	,089	,083	,012	,344	,010	,041	,25				
62789	,096	,640	,147	,021	,007	,004	,083	,086	,013	,420	,009	,017	,26				

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B17	B06	C17		C12		C13	
W-6x12	62730	395	391	537	522	33,3	32,8
W-6x12	62731	396	393	532	526	34,5	34,2
W-6x12	62758	370	358	497	487	34,7	34,2
W-6x9	62751	382	371	513	503	33,4	32,4
W-6x9	62753	408	399	533	511	33,7	32,7
W-8x10	62789	381	370	501	490	33,2	32,7
W-8x13	62776	371	361	511	497	36,1	35,6
W-8x13	62783	365	360	499	485	34,4	33,9
W-8x13	62784	371	364	507	497	30,9	30,3
W-8x15	62773	391	382	532	511	33,4	32,9
W-8x15	62774	407	394	523	521	34,8	33,8
W-8x15	62775	407	390	522	513	37,7	37,1

Z01

**12 análisis**

D01. Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.  
 B06. Marca APB

Miguel Cenitagoya