

Arcelor Olaberria, S.L.
Long Carbon Steel Europe

Sections

CARRETERA MADRID - IRUN, KM. 419
20212 OLABERRIA (Guipúzcoa)
TELEF. (943) 80.50.00 - FAX (943) 88.04.04



QUALITY CERTIFICATE

APS P-8187

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 OLABERRIA, S.L. CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ (MEXICO)	ZAPOTECA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mgonzalez	E-18408 Lot: 1	O.C. 1870	30/09/2006

Material: WF Vigas, calidad DUAL ASTM A-992

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

ARCELOR OLABERRIA S.L. ES/20/0040/03

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
PLESA ANAHUAC - VERACRUZ + / AMARILLO							
WF BEAMS 16x36	40'	46	5	230	3266	150.236	105201,105202,105203
WF BEAMS 18x65	40'	32	4	128	4717	150.944	105138,105139,105140,105141
WF BEAMS 18x71	40'	18	4	72	5153	92.754	104910,104911

TOTAL BUNDLES 96 TOTAL WEIGHT 393.934 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
104910	,087	1,23	,180	,013	,019	,041	,140	,110	,022	,360	,007	,051	,36
104911	,077	1,21	,200	,013	,022	,040	,110	,110	,020	,350	,003	,054	,34
105138	,090	1,17	,190	,020	,025	,002	,130	,170	,032	,380	,020	,018	,35
105139	,095	1,18	,180	,015	,024	,002	,130	,150	,023	,410	,019	,019	,36
105140	,089	1,17	,180	,018	,024	,002	,120	,170	,022	,370	,017	,034	,35
105141	,093	1,14	,180	,017	,024	,002	,120	,180	,030	,410	,025	,033	,35
105201	,103	1,20	,190	,016	,019	,002	,130	,140	,021	,400	,020	,035	,37
105202	,103	1,16	,180	,024	,021	,003	,140	,130	,020	,410	,026	,031	,36

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
APS P-8187

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)															
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV			
<small>B06</small> 105203	,124	1,17	,220	,024	,017	,002	,140	,140	,018	,440	,019	,022	,39			
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES														
		ReH MPa		Rm MPa		A% LO=8"										
<small>B11</small>	<small>B06</small>	<small>C11</small>		<small>C12</small>		<small>C13</small>										
W-16x36	105201	384	382	544	556	21,2	20,8									
W-16x36	105202	406	394	531	529	21,8	21,6									
W-16x36	105203	410	394	538	556	21,8	21,2									
W-18x65	105138	387	381	534	528	27,2	26,5									
W-18x65	105139	390	384	537	521	21,2	21,									
W-18x65	105140	387	377	524	501	26,9	26,8									
W-18x65	105141	404	390	548	542	25,2	24,6									
W-18x71	104910	390	378	496	490	23,7	23,5									
W-18x71	104911	405	395	510	504	24,	23,7									

9 análisis

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

Z01


Luis Maria Lakunza