

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



arcelor

QUALITY CERTIFICATE

APS P-7943

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)	AZTECA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
aibanez	E-18206 Lot: 1	O.C. 1593	25/08/2006

Material: WF Vigas, calidad 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 / VERACRUZ + / AMARILLO							
W-10x4x17	40'	12	16	192	4935	59.220	104573,104574,104575
W-10x4x19	40'	12	14	168	4827	57.924	103564,103565,104591,104592
W-10x5.75x22	40'	21	12	252	4790	100.590	104602,104603
W-10x5.75x26	40'	21	10	210	4717	99.057	103808,104594,104595,104596
W-10x5.75x30	40'	23	8	184	4355	100.165	104592,104593,104594
W-14x6.75x30	40'	18	8	144	4355	78.390	104507,104508,104509
W-18x7.5x60	40'	1	4	4	4354	4.354	103853

TOTAL BUNDLES 108

TOTAL WEIGHT 499.700 Kg.

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)												
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV
103564	,100	1,100	,210	,022	,027	,001	,160	,150	,029	,360	,019	,019	,36
103565	,117	1,200	,190	,022	,024	,001	,160	,140	,027	,390	,018	,026	,39
103808	,078	1,220	,160	,024	,028	,002	,170	,160	,042	,330	,019	,036	,36

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																		
103853	,107	1,180	,180	,019	,019	,001	,150	,220	,064	,420	,019	,042	,39					
104507	,113	1,320	,200	,024	,010	,036	,130	,120	,016	,670	,003	,026	,42					
104508	,083	1,250	,170	,015	,012	,036	,130	,150	,022	,520	,003	,026	,37					
104509	,083	1,330	,210	,015	,015	,039	,130	,150	,020	,430	,003	,049	,38					
104573	,103	1,200	,180	,027	,021	,041	,140	,120	,019	,420	,004	,025	,38					
104574	,096	1,190	,210	,025	,012	,039	,140	,140	,019	,440	,003	,024	,37					
104575	,097	1,160	,180	,023	,022	,037	,120	,130	,018	,460	,003	,022	,36					
104591	,106	1,210	,210	,019	,013	,001	,130	,120	,018	,470	,024	,040	,38					
104592	,106	1,340	,220	,020	,016	,001	,130	,130	,016	,480	,025	,060	,40					
104593	,110	1,210	,180	,027	,013	,002	,160	,130	,016	,480	,021	,056	,39					
104594	,099	1,210	,190	,032	,010	,003	,170	,130	,017	,490	,020	,042	,38					
104595	,099	1,240	,170	,025	,029	,002	,140	,150	,021	,470	,030	,027	,38					
104596	,092	1,220	,160	,025	,028	,001	,140	,150	,021	,480	,028	,025	,37					
104602	,102	1,190	,180	,022	,026	,001	,140	,160	,023	,450	,020	,022	,37					
104603	,114	1,160	,170	,025	,026	,001	,140	,140	,021	,470	,021	,028	,38					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B11	B06	C11		C12		C13	
W-10x17	104573	405	393	548	551	29,7	29,
W-10x17	104574	434	432	542	546	30,4	30,
W-10x17	104575	431	419	544	532	35,8	35,6
W-10x19	103564	377	371	545	539	33,6	32,5
W-10x19	103565	385	371	541	535	29,4	28,7
W-10x19	104591	381	367	548	531	30,2	29,2
W-10x19	104592	377	365	540	548	28,9	28,2
W-10x22	104602	368	364	548	540	33,2	32,5
W-10x22	104603	394	382	546	551	34,6	34,
W-10x26	103808	380	366	542	518	32,3	31,1
W-10x26	104594	371	369	544	548	29,4	29,2
W-10x26	104595	409	393	543	537	30,	29,1
W-10x26	104596	412	407	548	539	30,6	29,7
W-10x30	104592	374	372	546	535	27,8	27,7
W-10x30	104593	386	370	544	544	27,7	26,9
W-10x30	104594	382	380	543	549	31,4	30,5
W-14x30	104507	402	398	544	526	32,4	31,7
W-14x30	104508	402	402	544	534	30,2	29,5
W-14x30	104509	406	406	549	543	29,7	29,4
W-18x60	103853	382	380	543	542	26,2	26,2

18 análisis

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

B06: Marca APO

Z01


Luis María Lakunza