

A01

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-7872

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
aibanez	E-17352 Lot: 1		31/07/2006

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
MARCAS: PLESA / VERACRUZ + / AMARILLO							
WF BEAMS 18x65	40'	21	4	84	4717	99.057	103833,103834,103836,103839,103840,103841
WF BEAMS 18x71	40'	12	4	48	5153	61.836	103850,103851,103852

TOTAL BUNDLES 33

TOTAL WEIGHT 160.893 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
103833	,098	1,270	,200	,021	,020	,001	,160	,230	,074	,420	,019	,043	,40
103834	,115	1,180	,190	,017	,026	,002	,150	,230	,068	,480	,021	,044	,40
103836	,102	1,290	,220	,025	,028	,002	,180	,200	,060	,440	,019	,050	,41
103839	,091	1,250	,200	,025	,035	,002	,170	,230	,066	,470	,020	,051	,39
103840	,102	1,200	,210	,027	,028	,002	,190	,240	,066	,440	,018	,042	,40
103841	,084	1,230	,210	,030	,027	,002	,170	,190	,056	,410	,019	,043	,37
103850	,106	1,210	,170	,026	,023	,002	,180	,210	,063	,470	,018	,044	,40
103851	,114	1,220	,160	,029	,029	,004	,190	,210	,070	,450	,017	,049	,41
103852	,108	1,190	,200	,022	,019	,002	,180	,220	,079	,470	,019	,048	,40

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B11	B06	C11		C12		C13	
W-18x65	103833	365	357	543	540	25,9	25,
W-18x65	103834	369	366	543	552	26,6	26,2
W-18x65	103836	372	370	548	536	24,7	23,8
W-18x65	103839	378	372	550	548	24,5	23,9
W-18x65	103840	361	353	547	551	25,9	25,
W-18x65	103841	386	376	547	542	26,4	25,6
W-18x71	103850	365	357	550	546	27,1	27,
W-18x71	103851	367	365	543	536	24,4	24,4
W-18x71	103852	386	376	550	537	25,6	25,2

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