

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-7747

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)	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 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
<b>O.C. 1407 - / AMARILLO</b>							
WF BEAMS 10x12	40'	14	20	280	4355	60.970	103820,103821,103823,103824,103826,103845,103846,103858
WF BEAMS 10x15	40'	12	18	216	4898	58.776	103832,103834,103835,103836
WF BEAMS 10x26	40'	21	10	210	4717	99.057	103789,103790,103791,103808
WF BEAMS 10x30	40'	18	8	144	4355	78.390	103785,103786,103789
WF BEAMS 12x19	40'	12	14	168	4827	57.924	103566,103567,103568,103569,103791
WF BEAMS 12x26	40'	17	10	170	4717	80.189	103776,103777,103779
WF BEAMS 14x43	40'	17	6	102	4681	79.577	103771,103772,103773,103775,103778
WF BEAMS 14x48	40'	15	6	90	5225	78.375	103767,103768,103769
WF BEAMS 14x53	40'	14	6	84	5769	80.766	103783,103784,103785

TOTAL BUNDLES 140

TOTAL WEIGHT 674.024 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		
103566	,114	1,180	,190	,021	,029	,001	,150	,160	,032	,380	,019	,024	,38		



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APS P-7747


MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B11	B08	C11		C12		C13	
W-10x15	103835	383	380	545	530	28,4	28,3
W-10x15	103836	372	368	549	536	30,3	29,7
W-10x26	103789	359	355	539	555	28,8	28,
W-10x26	103790	368	361	544	535	29,6	29,3
W-10x26	103791	372	360	541	538	26,5	26,
W-10x26	103808	380	366	542	518	32,3	31,1
W-10x30	103785	366	362	544	540	32,1	31,1
W-10x30	103786	375	375	543	549	30,9	30,8
W-10x30	103789	386	384	540	547	29,3	28,5
W-12x19	103566	394	378	545	538	29,2	28,2
W-12x19	103567	393	379	547	531	29,5	29,
W-12x19	103568	393	389	546	548	27,9	27,4
W-12x19	103569	376	376	547	539	28,1	27,8
W-12x19	103791	390	386	545	550	31,4	31,3
W-12x26	103776	360	354	537	537	32,	31,
W-12x26	103777	375	367	544	537	30,	29,6
W-12x26	103779	376	366	545	537	34,5	33,3
W-14x43	103771	393	387	549	550	24,3	23,9
W-14x43	103772	383	381	539	556	25,7	24,9
W-14x43	103773	386	380	544	530	24,7	23,8
W-14x43	103775	380	376	547	538	24,7	24,2
W-14x43	103778	420	414	530	520	29,5	29,4
W-14x48	103767	385	373	547	545	24,8	24,1
W-14x48	103768	388	374	541	538	24,1	23,9
W-14x48	103769	379	365	542	557	24,6	24,3
W-14x53	103783	380	372	544	539	24,6	23,7
W-14x53	103784	407	395	550	546	24,6	23,8
W-14x53	103785	398	386	548	527	24,5	24,1

Z01

### 35 análisis

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

B06: Marca APO

  
Luis María Lakunza