

AUT  
ArcelorMittal Olaberria, S.L.

Long Carbon Steel Europe

CARRETERA MADRID - IRUN, KM. 419

20212 OLABERRIA (Guipúzcoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



**QUALITY CERTIFICATE**

**OLA P-20203**

DISCHARGE ADDRESS		CUSTOMER	
Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan, Tul MEXICO		Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan, Tul MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL 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	OLMECA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	E-29017	1700006673	17/12/2007

Material: WF Vigas,

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

ARCELORMITTAL 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>+/ROJO</b>							
WF BEAMS 12x14	40'	33	18	594	4571	150.843	113952,113953,113954,113955,113956,114001,114002,114003,114004,114110,114113

TOTAL BUNDLES 33

TOTAL WEIGHT 150.843 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
113952	,081	1,140	,170	,025	,040	,045	,110	,140	,028	,400	,003	,030	,34
113953	,110	1,130	,230	,023	,028	,038	,170	,140	,029	,420	,003	,029	,38
113954	,092	1,170	,190	,029	,033	,036	,120	,120	,024	,460	,003	,042	,36
113955	,086	1,130	,170	,020	,040	,036	,110	,140	,028	,410	,003	,039	,35
113956	,105	1,140	,230	,029	,023	,034	,160	,140	,027	,440	,003	,034	,38
114001	,083	1,110	,210	,017	,029	,035	,140	,150	,022	,420	,003	,050	,35
114002	,072	1,090	,200	,013	,039	,031	,140	,170	,026	,400	,003	,050	,33
114003	,080	1,250	,180	,018	,035	,041	,130	,160	,028	,390	,003	,044	,36
114004	,097	1,160	,190	,029	,039	,037	,190	,150	,019	,390	,003	,056	,38
114110	,104	1,220	,180	,031	,020	,046	,160	,180	,038	,410	,003	,034	,40
114113	,092	1,190	,180	,013	,028	,039	,100	,180	,048	,440	,003	,023	,37

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
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-12x14	113952	404	403	516	516	26,	25,6
W-12x14	113953	413	397	550	549	21,4	21,3
W-12x14	113954	406	398	518	518	26,1	27,
W-12x14	113955	416	410	540	554	21,2	20,9
W-12x14	113956	406	397	519	515	26,1	26,
W-12x14	114001	417	414	546	531	21,3	21,1
W-12x14	114002	423	417	546	532	21,3	20,7
W-12x14	114003	424	412	546	534	21,3	20,7
W-12x14	114004	390	386	546	542	21,3	21,2
W-12x14	114110	404	398	550	531	22,4	22,2
W-12x14	114113	417	411	549	536	21,3	21,3

**11 análisis**

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

B06: Marca APO

Z01

  
 Luis María Lakunza