

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-20809

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	03/03/2008

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
+/ROJO							
WF BEAMS 21x93	40'	30	3	90	5062	151.860	115645,115646,115647,115648
WF BEAMS 21x83	40'	1	3	3	4518	4.518	115649
WF BEAMS 21x73	40'	4	4	16	5298	21.192	115650,115651

TOTAL BUNDLES **35** TOTAL WEIGHT **177.570 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		
115645		,112	1,190	,180	,016	,028	,041	,130	,180	,039	,340	,003	,032	,39		
115646		,130	1,190	,220	,019	,025	,041	,140	,140	,033	,340	,003	,055	,40		
115647		,109	1,160	,180	,016	,024	,037	,110	,130	,032	,440	,003	,037	,38		
115648		,105	1,230	,170	,015	,019	,038	,100	,130	,040	,390	,003	,033	,38		
115650		,081	1,200	,170	,015	,017	,041	,120	,130	,033	,320	,003	,033	,35		
115651		,087	1,090	,170	,025	,011	,042	,190	,140	,038	,300	,003	,038	,35		
MATERIAL SIZE		COLADA HEAT		PROPIEDADES MECANICAS MECHANICAL PROPERTIES												
				ReH MPa				Rm MPa				A% L0=8"				
B11		B08		C11				C12				C13				

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		ReH MPa		Rm MPa		A% L0=8"	
<small>B11</small>	<small>B08</small>	<small>C11</small>		<small>C12</small>		<small>C13</small>	
W-21x73	115650	399	398	524	508	25,2	24,7
W-21x73	115651	411	399	525	523	25,4	25,1
W-21x93	115645	409	397	538	536	23,5	22,8
W-21x93	115646	393	385	527	519	25,1	24,5
W-21x93	115647	392	386	527	517	26,4	25,8
W-21x93	115648	392	384	524	522	24,1	23,9

Z01

6 análisis

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

Luis Maria Lakunza

Pa

SS