

ArcelorMittal Gipuzkoa, S.L.U.  
 Long Carbon Europe  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Gipuzkoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



**MILL TEST CERTIFICATE**

**OLA P-32277**

DISCHARGE ADDRESS		CUSTOMER	
Ferre Barniedo, S.A. de C.V. Edo. de Mexico San Cristobal Ecatepec, C.P. MEXICO		Ferre Barniedo, S.A. de C.V. Edo. de Mexico San Cristobal Ecatepec, C.P. MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		ALTAMIRA	AMERICABORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	01-E41460 / 1700014705	600385	31/07/2012

47512

Material: WF Vigas

El exportador de los productos incluidos en el presente documento,  
 Autorización aduanera n.  
 ARCELORMITTAL GIPUZKOA, S.L.U. 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>+/WHITE</b>							
WF BEAMS 21x62	40'		4	88	4500	99.000	139361,139362,139363
WF BEAMS 24x55	40'		3	3	2994	2.994	138392
WF BEAMS 24x68	40'	40	3	120	3701	148.040	139377,139381,139382, 139383,139384,139385

TOTAL BUNDLES 63 TOTAL WEIGHT 250.034 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6

(B01/B02/B03) A03

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)												
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV
138392	,103	1,180	,200	,018	,028	,039	,130	,240	,031	,370	,003	,039	,38
139361	,088	1,200	,190	,020	,020	,044	,120	,140	,035	,450	,003	,043	,37
139362	,094	1,260	,190	,016	,022	,038	,150	,170	,054	,430	,003	,037	,39
139363	,096	1,210	,200	,024	,019	,037	,180	,150	,045	,410	,003	,041	,39
139377	,094	1,150	,200	,020	,025	,045	,120	,170	,031	,390	,003	,049	,36
139381	,114	1,170	,200	,025	,020	,040	,130	,120	,040	,420	,003	,038	,39
139382	,085	1,150	,190	,023	,023	,046	,150	,130	,036	,370	,003	,036	,36
139383	,101	1,140	,170	,024	,021	,042	,130	,130	,039	,360	,003	,041	,37
139384	,095	1,120	,160	,026	,017	,039	,120	,140	,026	,360	,003	,043	,35
139385	,104	1,160	,200	,028	,017	,038	,150	,130	,042	,380	,003	,043	,38

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-21x62	139361	431	427	544	540	22,7	22,4
W-21x62	139362	425	415	567	553	22,6	22,1
W-21x62	139363	411	401	543	533	24,5	24,3
W-24x55	138392	400	405	513	510	24,1	23,9
W-24x68	139377	418	422	523	544	23,	23,4
W-24x68	139381	423	411	546	533	24,3	24,
2 OL W-24x68	139382	422	418	544	524	23,4	23,
W-24x68	139383	396	395	510	488	27,2	26,9
W-24x68	139384	418	418	541	537	22,4	21,7
W-24x68	139385	426	410	557	533	22,2	22,

**10 análisis**

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

B06: Marca AMO

Z01

ArcelorMittal/Gipuzkoa, S.L.U.

Lorenzo Zabala

LA ORIGINAL DE ESTE CERTIFICADO DE NUESTROS MUESTRAS REMISION DE VENTAS@ferrebamiedo.com

AS 2

0,160	,200	,028	,017	,039	,120	,140	,026	,360	,003	,041	,37				
			,038	,150	130					,043	25				