

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



MILL TEST CERTIFICATE

OLA P-33719

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 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	AUSTRALIABORG.
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	01-E-42993 / 1700015690	14289	30/11/2012

Material: WF Vigas,

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

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
+/RED							
WF BEAMS 12x14	40'	9	18	162	4571	41.139	141218,141219,141858,141859,141860
WF BEAMS 12x26	40'	13	10	130	4717	61.321	141898,141899,141902,141904
WF BEAMS 12x30	40'	18	8	144	4355	78.390	141905,141906,141907
WF BEAMS 12x40	40'	23	6	138	4355	100.165	141848,141849,141850,141851

TOTAL BUNDLES 63 TOTAL WEIGHT 281.015 Kg.

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													CEV				
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn						
141218	.100	1.070	.200	.021	.011	.037	.150	.150	.027	.450	.003	.026	.36					
141848	.095	1.010	.170	.020	.020	.040	.160	.170	.039	.370	.005	.024	.35					
141849	.086	.980	.180	.016	.021	.035	.130	.160	.042	.370	.003	.037	.33					
141850	.097	1.030	.180	.026	.022	.032	.160	.180	.041	.380	.007	.033	.35					
141851	.089	.990	.180	.025	.020	.034	.120	.160	.037	.340	.003	.026	.33					
141858	.086	1.010	.180	.018	.015	.036	.140	.160	.032	.450	.003	.032	.34					
141859	.085	1.020	.180	.016	.016	.033	.150	.150	.044	.450	.003	.030	.34					
141860	.089	1.010	.170	.019	.024	.038	.170	.140	.038	.520	.003	.025	.35					
141898	.107	1.030	.180	.023	.022	.036	.150	.190	.043	.380	.003	.076	.36					
141899	.105	1.110	.210	.020	.020	.033	.130	.200	.048	.410	.003	.035	.37					

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																		
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV						
^{B06} 141902	.089	1,250	.180	.035	.020	.034	.160	.140	.029	.520	.004	.034	.39						
141904	.114	1,030	.160	.016	.010	.034	.160	.180	.033	.490	.007	.037	.38						
141905	.108	1,050	.170	.021	.012	.038	.180	.180	.034	.490	.007	.045	.38						
141906	.095	1,040	.190	.018	.012	.036	.190	.230	.045	.560	.010	.041	.38						
141907	.092	1,010	.180	.015	.011	.036	.150	.180	.032	.500	.007	.044	.35						

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						A% LO=8"	
		ReH MPa		Rm MPa		A%			
^{B11}	^{B09}	^{C11}		^{C12}		^{C13}			
W-12x14	141218	399	393	572	562	22,3	21,9		
W-12x14	141858	428	420	545	537	23,1	22,8		
W-12x14	141859	416	404	555	531	22,4	21,8		
W-12x14	141860	393	385	526	514	22,4	22,2		
W-12x26	141898	371	360	501	496	22,7	22,		
W-12x26	141899	389	378	536	528	22,4	22,2		
W-12x26	141902	366	358	557	537	23,9	23,5		
W-12x26	141904	390	387	554	533	22,4	22,1		
W-12x30	141905	391	386	563	545	22,7	21,9		
W-12x30	141906	358	356	522	517	22,8	22,2		
W-12x30	141907	366	356	524	516	22,5	21,8		
W-12x40	141848	399	391	526	510	22,8	22,3		
W-12x40	141849	396	389	512	505	22,5	21,8		
W-12x40	141850	398	392	518	506	22,3	22,		
W-12x40	141851	391	385	526	510	22,8	22,1		

15 análisis

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

B06: Marca AMO

Z01

Lorenzo Zabala