

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-22838

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
ARCELOMITTAL 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	EVEREST
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
igomez	01-E-33286 / 1700009076	6575/6608	28/08/2009

Material: WF Vigas,

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

ARCELOMITTAL 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 12x14	40'	1	8	8	2032	2.032	121112
WF BEAMS 12x14	40'	6	12	72	3048	18.288	121190
WF BEAMS 12x14	40'	13	18	234	4571	59.423	122200,122201
WF BEAMS 12x26	40'	21	10	210	4717	99.057	122201,122202,122204
WF BEAMS 12x30	40'	14	8	112	4355	60.970	122196,122197,122198

TOTAL BUNDLES 55 TOTAL WEIGHT 239.770 Kg.

COLADA HEAT	COMPOSICION QUÍMICA (%) CHEMICAL COMPOSITION (%)												
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV
121112	.109	1.150	.200	.031	.012	.001	.140	.060	.006	.150	.016	.037	.34
121190	.095	1.180	.170	.019	.028	.001	.080	.110	.020	.190	.020	.038	.33
122196	.091	1.150	.190	.023	.030	.043	.090	.130	.009	.310	.003	.050	.34
122197	.098	1.240	.190	.017	.025	.041	.080	.120	.010	.340	.005	.042	.36
122198	.090	1.120	.180	.017	.032	.036	.070	.110	.007	.350	.003	.036	.33
122200	.096	1.160	.180	.026	.024	.038	.120	.130	.008	.370	.003	.047	.36
122201	.098	1.200	.190	.032	.020	.038	.140	.120	.006	.350	.003	.048	.37
122202	.097	1.210	.200	.031	.017	.038	.160	.120	.006	.360	.003	.047	.37

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV		
B08 122204	,094	1,170	,180	,033	,017	,040	,180	,100	,005	,310	,003	,048	,36		
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES													
		ReH MPa		Rm MPa		A% L0=8									
B11	B08	C11		C12		C13									
W-12x14	121112	428	430	548	548	23,	23,								
W-12x14	121190	428	426	550	551	22,8	22,2								
W-12x14	122200	421	414	549	543	23,	21,								
W-12x14	122201	441	425	545	551	21,6	20,9								
W-12x26	122201	433	429	551	544	22,	21,1								
W-12x26	122202	433	430	551	545	21,5	21,2								
W-12x26	122204	418	412	529	529	21,3	21,								
W-12x30	122196	397	383	515	497	25,2	25,1								
W-12x30	122197	420	404	537	516	23,3	23,3								
W-12x30	122198	398	385	516	497	25,9	25,6								

9 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.
 B08: Marca APO

Z01

Luis María Lakunza
 Luis María Lakunza