

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-22650

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	STINNES MISTRAL.
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	1700008773	6299	05/06/2009

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 8x18	40'	1	8	8	2613	2.613	118161,119846
WF BEAMS 8x18	40'	13	14	182	4573	59.449	121234
WF BEAMS 16x26	40'	21	6	126	2830	59.430	121445,121488,121489
WF BEAMS 16x36	40'	31	5	155	3266	101.246	121437,121438,121439
WF BEAMS 16x40	40'	28	5	140	3629	101.612	121436,121437
WF BEAMS 16x45	40'	15	5	75	4082	61.230	121434,121435
WF BEAMS 14x22	40'	1	8	8	3193	3.193	119550
WF BEAMS 14x22	40'	12	12	144	4790	57.480	121346,121348,121350, 121353,121354,121355
WF BEAMS 14x30	40'	22	8	176	4355	95.810	121352,121353,121354
WF BEAMS 14x30	40'	1	5	5	2722	2.722	119576
TOTAL BUNDLES		145		TOTAL WEIGHT		544.785 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
118161	,101	1,240	,190	,032	,020	,002	,200	,170	,037	,400	,028	,018	,39

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													CEV							
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn									
B06																					
119550	,093	1,260	,210	,034	,024	,003	,180	,130	,016	,460	,023	,048	,38								
119576	,104	1,150	,180	,037	,026	,044	,220	,230	,045	,390	,004	,022	,40								
119846	,074	1,190	,180	,011	,025	,038	,100	,170	,038	,380	,003	,060	,34								
121234	,101	1,250	,190	,020	,035	,002	,110	,130	,030	,260	,020	,048	,36								
121352	,097	1,170	,170	,017	,013	,039	,100	,100	,037	,160	,003	,029	,34								
121353	,078	1,220	,210	,019	,026	,044	,080	,140	,034	,170	,003	,030	,33								
121354	,071	1,160	,180	,018	,017	,068	,090	,140	,034	,200	,004	,023	,33								
121355	,093	1,130	,160	,025	,029	,060	,200	,120	,025	,160	,008	,019	,36								
121434	,106	1,150	,170	,034	,019	,045	,150	,120	,030	,280	,006	,028	,37								
121435	,110	1,110	,180	,033	,019	,047	,160	,130	,025	,290	,005	,034	,37								
121436	,117	1,160	,180	,030	,011	,036	,170	,130	,025	,310	,006	,035	,39								
121437	,086	1,090	,160	,025	,026	,036	,090	,140	,022	,380	,006	,045	,33								
121438	,098	1,120	,170	,017	,028	,037	,080	,130	,022	,350	,004	,044	,34								
121439	,080	1,140	,180	,021	,028	,037	,100	,120	,029	,350	,003	,034	,33								
121445	,080	1,260	,210	,024	,016	,041	,160	,110	,029	,290	,003	,042	,36								
121488	,075	1,140	,210	,028	,026	,040	,160	,170	,029	,390	,003	,032	,35								
121489	,152	1,220	,250	,033	,017	,038	,220	,200	,033	,360	,004	,042	,45								
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						A% L0=8"													
		ReH MPa		Rm MPa		C13															
B11	B06	C11		C12		C13															
W-14x22	119550	423	415	560	538	24,6	23,8														
W-14x22	121355	404	402	522	520	21,8	21,7														
W-14x30	119576	356	357	550	547	22,1	22,1														
W-14x30	121352	400	384	504	504	22,5	21,9														
W-14x30	121353	385	381	504	486	24,1	24,1														
W-14x30	121354	386	382	504	487	25	24,6														
W-16x26	121445	420	406	539	519	22,2	23,4														
W-16x26	121488	407	403	533	521	23,6	22,9														
W-16x26	121489	412	410	531	518	22,6	22,2														
W-16x36	121437	406	394	514	510	22,7	22,3														
W-16x36	121438	399	395	515	497	23,8	23,5														
W-16x36	121439	397	385	518	511	23,9	23,1														
W-16x40	121436	395	393	510	508	23,5	23,5														
W-16x40	121437	407	401	540	518	24,5	24,3														
W-16x45	121434	422	414	538	519	22,8	22,2														
W-16x45	121435	423	409	535	525	25,6	25,5														
W-8x18	118161	402	400	550	550	22,1	21,6														
W-8x18	119846	401	399	529	528	22,1	21,8														
W-8x18	121234	408	398	549	544	21,4	21														

18 análisis

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

B06: Marca APO

Z01

Luis María Lakunza