

Acceptor Olaberria, S.L.
Long Carbon Steel Europe

Sections

CARRETERA MADRID - IRUN, KM. 419
20212 OLABERRIA (Guipúzcoa)
TELEF. (943) 80.50.00 - FAX (943) 88.04.04



arcelor

QUALITY CERTIFICATE

APS P-9687

DISCHARGE ADDRESS		CUSTOMER	
PLESA ANAHUAC Y CIAS, S.A. DE C.V. AV VALLE DE LAS ALAMEDAS 66-O COL. SAN FRANCISCO CHILPAN 54940, TULTITLAN EDO. DE MEXICO		ARCELOR COMMERCIAL SECTIONS, S.A. 66, RUE DE LUXEMBOURG L-4221 ESCH-SUR-ALZETTE LUXEMBOURG	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELOR 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	SKALVA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mgonzalez	E-20006 Lot: 1	1700005884	22/02/2007

Material: WF Vigas, calidad ASTM A-992.

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

ARCELOR 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
/ AMARILLO							
WF BEAMS 8x18	40'	11	14	154	4573	50.303	108045,108046
WF BEAMS 8x21	40'	7	12	84	4572	32.004	107897,108044
WF BEAMS 10x30	40'	5	8	40	4355	21.775	107154
WF BEAMS 12x26	40'	23	10	230	4717	108.491	106857,106858,106859,106861,106862,106884,107145
WF BEAMS 12x30	40'	2	8	16	4355	8.710	106855
WF BEAMS 14x34	40'	3	8	24	4935	14.805	107141
WF BEAMS 14x38	40'	4	6	24	4137	16.548	107140
WF BEAMS 16x36	40'	1	5	5	3266	3.266	106783
WF BEAMS 16x40	40'	2	5	10	3629	7.258	106782

TOTAL BUNDLES 58

TOTAL WEIGHT 263.160 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
106782	,106	1,160	,200	,031	,017	,004	,180	,190	,034	,480	,026	,036	,39
106783	,085	1,190	,180	,037	,028	,001	,160	,140	,028	,500	,018	,033	,36
106855	,087	1,210	,190	,018	,023	,002	,120	,160	,026	,330	,020	,033	,35
106857	,088	1,170	,170	,018	,032	,002	,120	,190	,037	,400	,017	,026	,35
106858	,078	1,200	,190	,021	,035	,004	,140	,200	,044	,430	,022	,036	,36

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													C12							
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn									
106859	,074	1,180	,190	,022	,033	,003	,150	,200	,047	,440	,017	,030	,35								
106861	,089	1,230	,200	,018	,033	,001	,110	,210	,044	,330	,025	,030	,36								
106862	,088	1,200	,190	,017	,031	,002	,090	,180	,039	,360	,024	,023	,35								
106884	,080	1,170	,210	,015	,028	,001	,110	,180	,038	,330	,016	,026	,34								
107140	,085	1,160	,190	,029	,031	,001	,170	,170	,036	,440	,017	,035	,36								
107141	,087	1,200	,190	,029	,023	,001	,170	,200	,031	,430	,020	,033	,37								
107145	,103	1,190	,170	,021	,025	,002	,160	,180	,030	,430	,024	,019	,38								
107154	,095	1,220	,170	,016	,030	,001	,150	,200	,031	,360	,023	,054	,37								
107897	,096	1,160	,220	,022	,018	,025	,190	,200	,036	,480	,003	,066	,38								
108044	,095	1,190	,180	,029	,021	,037	,210	,180	,041	,500	,005	,048	,40								
108045	,088	1,260	,200	,030	,014	,039	,230	,200	,043	,490	,005	,040	,41								
108046	,084	1,270	,210	,024	,023	,042	,200	,200	,040	,560	,006	,041	,40								

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
		C11	C11	C12	C12	C13	C13
W-10x30	107154	412	400	545	551	21,5	21,1
W-12x26	106857	371	371	532	515	22,	21,3
W-12x26	106858	361	349	536	518	22,1	21,8
W-12x26	106859	365	357	531	509	23,6	23,5
W-12x26	106861	413	403	539	529	22,3	21,5
W-12x26	106862	399	383	533	523	21,6	21,1
W-12x26	106884	381	377	540	534	21,4	21,3
W-12x26	107145	389	380	548	531	21,3	20,8
W-12x30	106855	365	355	528	516	21,8	21,5
W-14x34	107141	364	358	548	547	22,5	22,
W-14x38	107140	373	361	545	543	21,4	20,7
W-16x36	106783	373	371	544	547	21,7	21,1
W-16x40	106782	380	376	547	549	22,1	21,6
W-8x18	108045	399	385	537	516	22,6	22,1
W-8x18	108046	362	352	539	552	21,2	21,2
W-8x21	107897	383	372	524	506	21,7	21,5
W-8x21	108044	387	380	545	532	22,1	21,6

17 análisis
D01 Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación
B05: Marca APO

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Luis María Lakunza