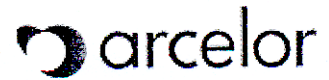


A01

Arcelor 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



QUALITY CERTIFICATE

APS P-7736

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		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	
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			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ (MEXICO)	POLIYDEFKIS
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
aibanez	E-17352 Lot: 1		30/06/2006

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
MARCAS: PLESA / VERACRUZ + / AMARILLO							
WF BEAMS 12x14	40'	13	18	234	4571	59.423	102832,102834,102835,102836,102837,102838,102840,103539
WF BEAMS 12x16	40'	11	18	198	5225	57.475	103405,103406,103407,103408,103409
WF BEAMS 12x22	40'	13	12	156	4790	62.270	103554,103556,103557,103559,103560
WF BEAMS 18x50	40'	17	4	68	3629	61.693	103847,103850,103854,103855
WF BEAMS 18x55	40'	15	4	60	3992	59.880	103843,103845

TOTAL BUNDLES 69 TOTAL WEIGHT 300.741 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
B03													
102832	,077	1,260	,220	,017	,020	,038	,140	,150	,031	,310	,003	,018	,36
102834	,079	1,240	,220	,018	,029	,042	,150	,180	,027	,310	,004	,039	,36
102835	,082	1,250	,200	,017	,016	,039	,140	,170	,026	,330	,004	,021	,36

QUALITY CERTIFICATE

APS P-7736

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)												
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV
102836	,097	1,260	,210	,017	,017	,038	,130	,160	,027	,350	,004	,016	,38
102837	,083	1,240	,200	,021	,030	,039	,130	,140	,023	,340	,006	,016	,36
102838	,081	1,250	,210	,021	,027	,038	,140	,150	,024	,330	,007	,019	,36
102840	,078	1,180	,160	,015	,024	,032	,110	,130	,025	,330	,004	,015	,34
103405	,088	1,200	,220	,019	,024	,001	,120	,130	,026	,280	,024	,024	,34
103406	,096	1,210	,220	,020	,025	,002	,140	,160	,025	,310	,024	,018	,36
103407	,104	1,190	,200	,020	,027	,001	,120	,160	,027	,360	,022	,019	,37
103408	,118	1,210	,210	,024	,018	,001	,160	,140	,022	,330	,023	,027	,39
103409	,105	1,210	,230	,025	,017	,002	,200	,150	,031	,420	,022	,037	,39
103539	,101	1,110	,200	,020	,022	,002	,200	,140	,026	,350	,017	,020	,36
103554	,107	1,190	,190	,019	,031	,001	,130	,140	,028	,330	,018	,022	,37
103556	,107	1,190	,190	,022	,029	,001	,150	,170	,031	,380	,019	,024	,38
103557	,112	1,150	,230	,018	,018	,001	,140	,180	,032	,390	,016	,019	,38
103559	,122	1,150	,200	,020	,029	,002	,140	,160	,034	,370	,019	,025	,38
103560	,115	1,150	,180	,020	,020	,001	,150	,170	,031	,370	,021	,023	,38
103843	,099	1,220	,200	,031	,032	,002	,190	,210	,062	,420	,017	,044	,40
103845	,113	1,300	,210	,025	,015	,002	,170	,220	,072	,410	,021	,047	,42
103847	,106	1,220	,190	,021	,028	,003	,180	,220	,074	,410	,022	,045	,40
103850	,106	1,210	,170	,026	,023	,002	,180	,210	,063	,470	,018	,044	,40
103854	,124	1,170	,180	,031	,024	,001	,150	,210	,062	,440	,018	,044	,40
103855	,111	1,190	,180	,025	,026	,001	,150	,250	,076	,440	,019	,054	,40

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
		C11		C12		C13	
W-12x14	102832	426	420	550	530	28,7	28,2
W-12x14	102834	383	371	496	490	35,7	35,4
W-12x14	102835	372	368	507	487	34,7	34,5
W-12x14	102836	388	378	528	504	34,9	34,7
W-12x14	102837	399	387	530	518	34,8	34,3
W-12x14	102838	384	378	526	508	33,3	32,2
W-12x14	102840	393	389	531	519	33,3	32,9
W-12x14	103539	389	389	513	511	35,1	34,2
W-12x16	103405	403	395	548	542	33,4	33,4
W-12x16	103406	401	390	545	544	31,	30,5
W-12x16	103407	386	374	545	541	32,8	32,2
W-12x16	103408	411	399	542	552	30,6	29,6
W-12x16	103409	397	389	538	555	31,7	30,5
W-12x22	103554	402	394	539	552	29,6	29,2
W-12x22	103556	382	372	550	526	29,9	28,9
W-12x22	103557	392	388	549	545	29,7	29,1
W-12x22	103559	392	390	543	542	27,5	27,
W-12x22	103560	401	391	542	538	29,7	29,2
W-18x50	103847	378	376	538	556	27,9	27,7

QUALITY CERTIFICATE

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B11	B08	C11		C12		C13	
W-18x50	103850	389	385	550	530	25,2	25,2
W-18x50	103854	360	350	549	548	25,3	25,3
W-18x50	103855	378	364	549	550	24,2	24,2
W-18x55	103843	369	369	547	543	26,4	26,1
W-18x55	103845	376	372	542	534	26,8	26,1

24 análisis

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

B06: Marca APO

Z01


Luis María Lakunza