

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417

20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

BER P-37775

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. SAN FRANCISCO CHILPAN - T MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL BERGARA C/IBARRA, 6 20570 BERGARA (Gipuzkoa) TELEF. (943) 76.19.40 - FAX (943) 765243			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	DIAMANTGRACHT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-61040/1700029169	29255	26/02/2020

Material: "WF-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

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

ARCELORMITTAL OLABERRIA-BERGARA, 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
<b>+/RED</b>							
WF BEAMS 6x12	40'	1	7	7	1524	1.524	594697
WF BEAMS 6x8,5	40'	1	27	27	4164	4.164	594804
WF BEAMS 6x8,5	40'	1	25	25	3856	3.856	594815

TOTAL BUNDLES 3

TOTAL WEIGHT 9.544 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6-16a

(B01/B02/B03) A03  
BERP37775

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV			
<i>B08</i> 594697	,072	,980	,210	,020	,019	,004	,100	,160	,033	,300	,031	,028	,002	,29			
594804	,069	,970	,180	,019	,021	,006	,110	,140	,030	,270	,034	,026	,002	,29			
594815	,103	,910	,190	,023	,019	,006	,140	,170	,033	,390	,035	,027	,003	,33			

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
<i>B11</i>	<i>B08</i>	<i>C11</i>		<i>C12</i>		<i>C13</i>	
W-6x12	594697	453	443	553	533	32,7	31,7
W-6x8,5	594804	474	466	550	544	33,4	33,2
W-6x8,5	594815	449	446	564	552	31,8	31,

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## MILL TEST CERTIFICATE

**BER P-37775**

Responsable del Departamento de Calidad Z01

### 3 análisis

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

B06: Marca AMB

A handwritten signature in black ink, appearing to read 'Jose Maria Galindo'.

Jose Maria Galindo

**ArcelorMittal Olaberria-Bergara**



## MILL TEST CERTIFICATE

## OLA P-67630

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. SAN FRANCISCO CHILPAN - T MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 417 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	DIAMANTGRACHT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-71307/1700029169	29255	26/02/2020

Material: "WF-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

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

ARCELORMITTAL OLABERRIA-BERGARA, 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
<b>+ / RED</b>							
WF BEAMS 6x25	40'	3	10	30	4535	13.605	195415
WF BEAMS 8x35	40'	1	8	8	5081	5.081	195363
WF BEAMS 8x35	40'	1	8	8	5081	5.081	195372
WF BEAMS 10x12	40'	2	22	44	4790	9.580	194947
WF BEAMS 10x15	40'	1	18	18	4898	4.898	194955
WF BEAMS 10x15	40'	1	18	18	4898	4.898	194956
WF BEAMS 10x22	40'	7	12	84	4790	33.530	194915
WF BEAMS 10x22	40'	1	12	12	4790	4.790	194916
WF BEAMS 10x22	40'	7	12	84	4790	33.530	194917
WF BEAMS 10x22	40'	5	12	60	4790	23.950	194918
WF BEAMS 10x22	40'	1	12	12	4790	4.790	194919
WF BEAMS 10x22	40'	7	12	84	4790	33.530	194920
WF BEAMS 10x26	40'	1	10	10	4717	4.717	194909
WF BEAMS 10x30	40'	1	8	8	4370	4.370	194833
WF BEAMS 10x30	40'	3	8	24	4370	13.110	194834
WF BEAMS 10x30	40'	3	8	24	4370	13.110	194835
WF BEAMS 12x16	40'	1	4	4	1161	1.161	194923
WF BEAMS 12x19	40'	2	14	28	4827	9.654	194918
WF BEAMS 12x22	40'	6	12	72	4790	28.740	194908



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## MILL TEST CERTIFICATE

OLA P-67630

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B08	C11		C12		C13	
W-10x22	194920	447	439	552	548	24,8	24,3
W-10x26	194909	429	427	550	530	22,5	21,9
W-10x30	194833	425	420	540	528	22,6	22,6
W-10x30	194834	449	446	586	584	22,5	22,4
W-10x30	194835	440	433	570	558	22,8	22,5
W-12x16	194923	390	416	554	518	22,2	23,
W-12x19	194918	443	429	559	537	22,4	22,
W-12x22	194908	439	431	534	526	24,4	24,
W-12x22	194909	442	436	534	524	22,2	22,
W-12x22	194910	429	418	518	514	22,5	21,7
W-12x22	194911	423	423	520	514	22,6	21,8
W-21x68	195199	397	395	499	491	31,	30,6
W-24x55	193681	433	417	511	501	24,3	23,6
W-6x25	195415	419	415	526	520	22,8	22,3
W-8x35	195363	421	405	532	532	24,6	23,7
W-8x35	195372	407	405	514	510	24,4	23,9

### 22 análisis

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

B06: Marca AMO

Responsable del Departamento de Calidad Z01

ArcelorMittal Olaberria-Bergara

Jose Maria Galindo

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

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20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

OLA P-67519

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. SAN FRANCISCO CHILPAN - T MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 417 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	DIAMANTGRACHT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-71307/1700029169	29255	26/02/2020

Material: "WF-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

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

ARCELORMITTAL OLABERRIA-BERGARA, 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
<b>+/RED</b>							
WF BEAMS 10x12	40'	6	22	132	4790	28.740	194944
WF BEAMS 10x12	40'	1	20	20	4355	4.355	191481
WF BEAMS 10x15	40'	1	18	18	4898	4.898	194955
WF BEAMS 10x15	40'	1	18	18	4898	4.898	194956
WF BEAMS 10x17	40'	3	16	48	4935	14.805	194943
WF BEAMS 10x22	40'	1	12	12	4790	4.790	194915
WF BEAMS 10x22	40'	1	12	12	4790	4.790	194916
WF BEAMS 10x22	40'	2	12	24	4790	9.580	194918
WF BEAMS 10x22	40'	1	12	12	4790	4.790	194919
WF BEAMS 10x26	40'	2	10	20	4717	9.434	194844
WF BEAMS 10x26	40'	5	10	50	4717	23.585	194909
WF BEAMS 10x26	40'	1	10	10	4717	4.717	194910
WF BEAMS 10x26	40'	3	10	30	4717	14.151	194911
WF BEAMS 10x26	40'	6	10	60	4717	28.302	194912
WF BEAMS 10x26	40'	1	8	8	3774	3.774	194843
WF BEAMS 10x26	40'	1	4	4	1887	1.887	194064
WF BEAMS 10x30	40'	4	8	32	4370	17.480	194835
WF BEAMS 10x30	40'	7	8	56	4370	30.590	194837
WF BEAMS 10x30	40'	2	8	16	4370	8.740	194838

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## MILL TEST CERTIFICATE

OLA P-67519

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 12x14	40'	1	16	16	4063	4.063	194919
WF BEAMS 14x30	40'	1	2	2	1089	1.089	193964

TOTAL BUNDLES 51

TOTAL WEIGHT 229.458 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6-16a

(B01/B02/B03) A03  
OLAP67519

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
B08														
191481	,070	,910	,190	,022	,023	,007	,210	,160	,024	,370	,038	,026	,004	,31
193964	,089	1,030	,240	,019	,027	,005	,100	,160	,018	,400	,037	,029	,003	,32
194064	,084	,990	,230	,017	,022	,005	,110	,180	,042	,330	,030	,022	,001	,31
194835	,074	,960	,180	,018	,020	,006	,110	,160	,028	,410	,036	,022	,002	,30
194837	,061	,970	,180	,022	,020	,007	,150	,180	,034	,480	,038	,023	,001	,30
194838	,089	,990	,220	,017	,024	,006	,100	,180	,032	,390	,036	,024	,001	,32
194843	,070	1,060	,200	,021	,020	,005	,130	,160	,026	,360	,034	,029	,004	,31
194844	,063	1,040	,220	,021	,021	,005	,110	,150	,033	,370	,035	,028	,003	,30
194909	,071	,970	,210	,020	,023	,005	,110	,160	,047	,320	,034	,017	,002	,30
194910	,072	,940	,200	,019	,023	,004	,090	,150	,035	,310	,032	,017	,002	,29
194911	,070	1,020	,200	,018	,023	,004	,100	,130	,029	,310	,035	,016	,003	,30
194912	,075	,810	,210	,024	,020	,005	,100	,130	,027	,310	,032	,016	,002	,27
194915	,060	,990	,200	,015	,024	,005	,110	,150	,034	,340	,033	,022	,003	,29
194916	,056	1,000	,190	,015	,023	,005	,090	,140	,034	,320	,032	,023	,003	,28
194918	,088	,890	,180	,017	,020	,005	,110	,170	,038	,340	,032	,028	,003	,30
194919	,088	,980	,190	,018	,018	,005	,080	,160	,042	,400	,030	,029	,003	,31
194943	,078	,940	,220	,017	,020	,005	,110	,170	,038	,320	,030	,030	,003	,30
194944	,093	,910	,210	,017	,021	,006	,120	,170	,042	,320	,030	,023	,003	,31
194955	,075	,920	,210	,020	,025	,005	,100	,160	,030	,370	,031	,021	,002	,29
194956	,070	,930	,210	,016	,023	,005	,090	,140	,023	,320	,030	,026	,003	,28

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B08	C11		C12		C13	
W-10x12	191481	430	430	552	530	22,3	22,
W-10x12	194944	449	443	551	541	22,3	22,2
W-10x15	194955	445	447	544	524	22,5	21,9
W-10x15	194956	444	442	553	535	22,4	22,3
W-10x17	194943	442	440	561	549	22,6	21,9
W-10x22	194915	418	416	525	513	23,	22,1
W-10x22	194916	416	406	534	528	22,6	22,3
W-10x22	194918	422	414	552	532	24,5	23,9
W-10x22	194919	456	442	569	561	23,7	23,6
W-10x26	194064	440	424	558	540	23,1	22,6
W-10x26	194843	438	420	553	547	22,2	22,1
W-10x26	194844	422	420	548	536	22,4	21,9
W-10x26	194909	429	427	550	530	22,5	21,9
W-10x26	194910	427	423	536	521	22,2	22,1
W-10x26	194911	427	417	534	518	22,4	21,9
W-10x26	194912	415	403	512	505	22,2	21,8

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## MILL TEST CERTIFICATE

OLA P-67519

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B08	C11		C12		C13	
W-10x30	194835	440	433	570	558	22,8	22,5
W-10x30	194837	433	423	541	539	22,6	22,2
W-10x30	194838	428	418	542	528	22,9	22,2
W-12x14	194919	450	444	548	536	22,2	22,
W-14x30	193964	423	421	537	517	24,3	24,1

### 20 análisis

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

B06: Marca AMO

Responsable del Departamento de Calidad Z01

*J. Galindo*  
 ArcelorMittal Olaberria-Bergara  
 Jose Maria Galindo