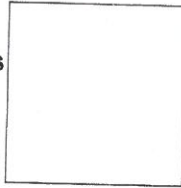


ArcelorMittal Gipuzkoa, S.L.U.  
**ArcelorMittal Europe – Long Products**  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



### MILL TEST CERTIFICATE

OLA P-42651

DISCHARGE ADDRESS		CUSTOMER	
Ferre Barniedo, S.A. de C.V. Edo. de Mexico San Cristobal Ecatepec, C.P. MEXICO		Ferre Barniedo, S.A. de C.V. Edo. de Mexico San Cristobal Ecatepec, C.P. MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN
OUR REFERENCE		CONTRACT NUMBER	PORT OF DISCHARGE
mcabello		01-E-49057 / 1700018324	ALTAMIRA
		ORDER NUMBER	VESSEL
		601055	MORGENSTOND 1
			DATE
			04/17/2014

Material: WF Vigas,

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

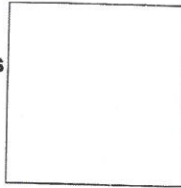
ARCELORMITTAL GUIPUZKOA, S.L.U. ES/20/0040/03

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
+/WHITE							
WF BEAMS 6x15	40'	1	12	12	3266	3.266	153478
WF BEAMS 6x15	40'	12	18	216	4898	58.776	154715,154716,154717
WF BEAMS 8x18	40'	6	16	96	5226	31.356	154574,154580,154581,154582
WF BEAMS 8x31	40'	45	8	360	4499	202.455	154716,154717,154718,154719,154720,154721
WF BEAMS 8x48	40'	12	6	72	5225	62.700	154689,154690
WF BEAMS 8x58	40'	15	4	60	4209	63.135	153565,154687
WF BEAMS 10x22	40'	42	12	504	4790	201.180	154518,154519,154521,154522,154523,154524
WF BEAMS 10x33	40'	12	8	96	4790	57.480	154484,154485
WF BEAMS 10x45	40'	13	6	78	4899	63.687	153163,153164,154475,154476,154477
WF BEAMS 10x49	40'	28	6	168	5334	149.352	154355,154357,154803,154827,154828,154832,154842,154843
WF BEAMS 10x54	40'	30	4	120	3919	117.570	154352,154354,154801,154802,154803
WF BEAMS 10x77	40'	11	3	33	4191	46.101	154340
WF BEAMS 14x22	40'	13	12	156	4790	62.270	154469,154471,154472,154473,154474,154475,154476
WF BEAMS 14x61	40'	14	4	56	4427	61.978	154330,154331,154332

A01

ArcelorMittal Gipuzkoa, S.L.U.  
**ArcelorMittal Europe – Long Products**  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



**MILL TEST CERTIFICATE**

**OLA P-42651**

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 14x68	40'	7	4	28	4935	34.545	154329,154330
WF BEAMS 16x26	40'	18	7	126	3302	59.436	154339,154340,154341,154342,154343,154346,154348,154349,154350
WF BEAMS 16x31	40'	16	7	112	3937	62.992	154301,154302,154303,154304,154332
WF BEAMS 18x35	40'	58	7	406	4446	257.868	154217,154218,154219,154220,154221,154222,154223,154224,154225
WF BEAMS 18x65	40'	1	2	2	2359	2.359	154204
WF BEAMS 21x73	40'	1	3	3	3974	3.974	151293
WF BEAMS 24x68	40'	8	4	32	4935	39.480	154856,154857
WF BEAMS 24x76	40'	2	3	6	4137	8.274	154859

TOTAL BUNDLES **365**

TOTAL WEIGHT **1.650.234 Kg.**

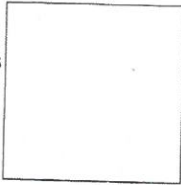
A02 EN 10204/3.1

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

(B01/B02/B03) A03

**FERRE BARNIEDO, S.A. DE C.V.**  
 ESTE CERTIFICADO ES COPIA FIEL DEL ORIGINAL DE NUESTROS ARCHIVOS, AMPARA LA REMISION No. \_\_\_\_\_  
 TEL 58-36-10-00 ventas@ferrebarniedo.com.mx

ArcelorMittal Gipuzkoa, S.L.U.  
 ArcelorMittal Europe – Long Products  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04

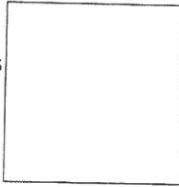


MILL TEST CERTIFICATE

OLA P-42651

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV	
151293	,108	,730	,200	,026	,021	,044	,130	,210	,041	,410	,003	,029	,003	,31	
153163	,111	,760	,190	,033	,018	,042	,270	,220	,040	,310	,003	,030	,002	,34	
153164	,119	,730	,190	,034	,019	,042	,260	,220	,042	,330	,003	,033	,003	,35	
153478	,102	,810	,200	,019	,019	,049	,110	,290	,050	,410	,003	,032	,003	,33	
153565	,110	,730	,180	,022	,019	,049	,120	,170	,036	,370	,003	,025	,002	,31	
154204	,120	,730	,170	,019	,023	,044	,110	,160	,028	,350	,003	,023	,002	,31	
154217	,100	,780	,180	,034	,019	,047	,130	,130	,019	,350	,003	,026	,001	,30	
154218	,093	,710	,230	,027	,021	,044	,110	,130	,020	,390	,003	,024	,003	,28	
154219	,102	,760	,190	,023	,019	,050	,130	,150	,026	,400	,003	,023	,002	,31	
154220	,111	,760	,160	,022	,020	,052	,150	,160	,030	,400	,003	,027	,001	,32	
154221	,098	,830	,190	,034	,024	,048	,130	,170	,023	,430	,003	,026	,001	,32	
154222	,086	,810	,180	,025	,021	,043	,120	,140	,020	,390	,003	,021	,001	,29	
154223	,081	,750	,180	,021	,020	,046	,100	,130	,019	,360	,003	,021	,001	,27	
154224	,100	,700	,210	,025	,021	,045	,110	,150	,024	,390	,003	,024	,003	,29	
154225	,107	,700	,170	,023	,020	,042	,100	,140	,022	,340	,003	,027	,003	,29	
154301	,096	,720	,230	,028	,021	,042	,120	,140	,022	,450	,003	,023	,002	,29	
154302	,093	,710	,190	,025	,020	,044	,110	,130	,023	,400	,003	,022	,001	,28	
154303	,093	,730	,170	,032	,019	,045	,140	,150	,023	,430	,003	,022	,002	,29	
154304	,090	,740	,170	,028	,020	,044	,150	,160	,029	,430	,007	,020	,001	,30	
154329	,085	,770	,180	,018	,019	,044	,140	,130	,025	,350	,003	,017	,002	,29	
154330	,100	,770	,160	,013	,018	,043	,130	,130	,024	,300	,003	,017	,001	,30	
154331	,098	,790	,180	,016	,021	,043	,200	,150	,019	,360	,003	,016	,002	,32	
154332	,095	,720	,180	,018	,019	,041	,190	,140	,037	,380	,003	,016	,001	,31	
154339	,090	,760	,180	,015	,020	,056	,100	,160	,089	,390	,003	,022	,001	,29	
154340	,094	,710	,190	,015	,020	,045	,120	,200	,048	,380	,003	,022	,002	,29	
154341	,106	,700	,180	,017	,017	,043	,140	,200	,050	,450	,003	,027	,003	,31	
154342	,119	,700	,200	,024	,018	,050	,190	,180	,049	,440	,003	,028	,003	,33	
154343	,099	,730	,190	,024	,019	,047	,250	,180	,043	,390	,003	,023	,003	,33	
154346	,108	,760	,190	,017	,019	,048	,130	,180	,032	,350	,003	,021	,002	,31	
154348	,082	,750	,170	,017	,020	,045	,170	,190	,027	,410	,003	,023	,002	,30	
154349	,093	,770	,170	,019	,019	,042	,150	,140	,025	,390	,003	,022	,003	,30	
154350	,089	,780	,170	,020	,023	,045	,150	,220	,023	,450	,003	,021	,001	,31	
154352	,091	,750	,170	,020	,021	,044	,120	,150	,027	,520	,003	,020	,002	,30	
154354	,103	,710	,180	,017	,019	,043	,120	,160	,025	,380	,003	,021	,003	,29	
154355	,099	,690	,190	,016	,019	,044	,100	,140	,022	,370	,003	,019	,002	,28	
154357	,098	,680	,200	,021	,018	,044	,080	,140	,025	,360	,003	,019	,002	,27	
154469	,118	,720	,190	,016	,018	,048	,120	,180	,081	,370	,003	,030	,003	,31	
154471	,117	,730	,170	,019	,020	,049	,100	,180	,025	,390	,003	,027	,002	,31	
154472	,110	,740	,180	,017	,023	,047	,100	,210	,041	,370	,003	,024	,002	,31	
154473	,099	,710	,190	,019	,023	,042	,120	,210	,046	,360	,003	,022	,002	,30	
154474	,100	,690	,200	,026	,024	,041	,140	,190	,032	,380	,003	,042	,004	,30	
154475	,102	,710	,180	,017	,021	,045	,120	,190	,034	,400	,003	,033	,002	,30	
154476	,089	,730	,190	,021	,025	,041	,140	,230	,033	,460	,003	,061	,002	,30	
154477	,085	,740	,190	,020	,025	,043	,130	,220	,033	,460	,003	,058	,001	,29	
154484	,109	,700	,190	,020	,018	,045	,120	,200	,030	,460	,003	,026	,003	,31	
154485	,114	,700	,180	,019	,020	,044	,130	,180	,037	,530	,003	,034	,002	,32	
154518	,088	,770	,190	,018	,024	,041	,170	,190	,026	,350	,003	,023	,001	,30	
154519	,118	,810	,200	,024	,018	,044	,200	,180	,028	,370	,003	,027	,002	,34	

ArcelorMittal Gipuzkoa, S.L.U.  
**ArcelorMittal Europe – Long Products**  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



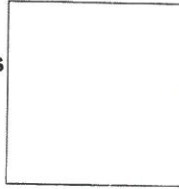
**MILL TEST CERTIFICATE**

**OLA P-42651**

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
154521	,104	,710	,200	,022	,018	,044	,160	,220	,035	,370	,003	,029	,003	,31
154522	,105	,720	,210	,021	,019	,045	,150	,210	,034	,360	,003	,028	,003	,31
154523	,092	,750	,190	,026	,020	,049	,180	,200	,032	,360	,003	,041	,002	,31
154524	,095	,750	,190	,020	,021	,046	,140	,190	,027	,420	,003	,032	,002	,30
154579	,124	,750	,180	,021	,016	,045	,170	,170	,030	,470	,003	,033	,002	,34
154580	,106	,690	,190	,020	,017	,044	,150	,180	,033	,450	,003	,029	,003	,31
154581	,092	,680	,170	,019	,020	,047	,110	,170	,032	,480	,003	,030	,002	,29
154582	,092	,730	,200	,016	,017	,047	,110	,190	,039	,420	,003	,026	,002	,29
154687	,117	,720	,160	,018	,016	,047	,120	,140	,022	,380	,003	,026	,001	,31
154689	,103	,720	,190	,020	,019	,041	,110	,150	,029	,390	,003	,024	,004	,30
154690	,085	,760	,160	,019	,020	,044	,120	,150	,024	,340	,003	,026	,001	,28
154715	,082	,750	,180	,021	,022	,045	,130	,180	,026	,390	,003	,021	,003	,29
154716	,086	,750	,180	,022	,022	,044	,130	,170	,027	,390	,003	,025	,003	,29
154717	,089	,770	,160	,019	,020	,045	,110	,160	,026	,360	,003	,026	,002	,29
154718	,092	,750	,170	,018	,020	,051	,110	,140	,026	,330	,003	,030	,003	,29
154719	,081	,750	,180	,019	,025	,048	,120	,150	,030	,300	,003	,026	,003	,28
154720	,085	,790	,160	,019	,022	,045	,110	,160	,027	,310	,003	,023	,002	,28
154721	,088	,740	,170	,018	,022	,043	,100	,160	,024	,350	,003	,024	,001	,28
154801	,109	,700	,190	,019	,018	,046	,110	,180	,038	,330	,003	,020	,003	,30
154802	,091	,670	,190	,018	,020	,043	,090	,170	,035	,310	,003	,017	,003	,27
154803	,098	,710	,200	,019	,020	,046	,100	,170	,033	,300	,003	,019	,003	,28
154827	,099	,750	,200	,019	,017	,046	,110	,160	,034	,370	,003	,020	,001	,30
154828	,096	,740	,190	,027	,016	,045	,160	,270	,042	,340	,003	,017	,001	,31
154832	,109	,730	,170	,029	,018	,043	,180	,190	,053	,340	,003	,018	,004	,32
154842	,104	,770	,190	,018	,020	,045	,070	,140	,026	,360	,003	,019	,003	,29
154843	,109	,800	,150	,016	,019	,042	,080	,130	,021	,330	,003	,019	,001	,30
154856	,092	,680	,190	,014	,018	,049	,130	,200	,041	,340	,003	,019	,002	,29
154857	,099	,710	,200	,017	,018	,053	,160	,190	,047	,360	,003	,018	,002	,31
154859	,097	,690	,180	,019	,020	,045	,110	,170	,032	,360	,003	,022	,003	,28

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa	Rm MPa	A% L0=8"			
B11	B09	C11	C12	C13			
W-10x22	154518	421	405	551	529	23, 22,9	
W-10x22	154519	396	427	547	546	22,7, 22,3	
W-10x22	154521	415	412	549	535	23, 22,7	
W-10x22	154522	438	430	557	551	22,7, 22,1	
W-10x22	154523	409	396	537	519	22,5, 21,9	
W-10x22	154524	409	401	545	529	22,8, 22,	
W-10x33	154484	415	407	534	523	22,3, 21,8	
W-10x33	154485	420	406	530	516	22,2, 22,1	
W-10x45	153163	406	388	529	519	22,4, 22,1	
W-10x45	153164	416	405	551	528	22,5, 22,	
W-10x45	154475	393	384	519	505	23,2, 22,8	
W-10x45	154476	387	383	514	504	22,3, 21,8	
W-10x45	154477	396	384	515	497	22,1, 22,1	
W-10x49	154355	386	384	508	504	23,7, 23,4	
W-10x49	154357	391	388	524	504	24,2, 23,5	

ArcelorMittal Gipuzkoa, S.L.U.  
**ArcelorMittal Europe – Long Products**  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04

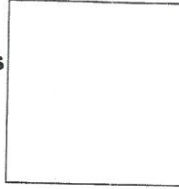


## MILL TEST CERTIFICATE

OLA P-42651

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B04	C11		C12		C13	
W-10x49	154803	417	418	553	524	24,	22,2
W-10x49	154827	398	398	523	513	23,1	22,3
W-10x49	154828	407	397	524	518	23,1	22,8
W-10x49	154832	399	393	522	516	23,1	22,6
W-10x49	154842	406	386	545	500	24,4	21,9
W-10x49	154843	415	412	551	530	23,9	23,7
W-10x54	154352	381	381	510	501	23,3	22,9
W-10x54	154354	401	387	521	519	24,5	24,
W-10x54	154801	373	373	496	485	22,7	22,2
W-10x54	154802	381	371	496	488	24,3	24,
W-10x54	154803	392	389	494	523	23,5	23,6
W-10x77	154340	407	394	534	522	24,	23,6
W-14x22	154469	440	395	555	518	21,9	22,8
W-14x22	154471	437	433	553	535	22,4	22,2
W-14x22	154472	431	417	553	543	25,7	25,
W-14x22	154473	412	412	548	526	23,	22,6
W-14x22	154474	424	410	546	526	22,6	21,9
W-14x22	154475	411	409	527	511	22,6	21,9
W-14x22	154476	423	405	540	538	22,2	22,
W-14x61	154330	395	385	523	503	22,4	22,1
W-14x61	154331	370	368	521	501	24,1	23,4
W-14x61	154332	398	398	527	505	22,2	22,2
W-14x68	154329	392	376	507	495	22,3	22,
W-14x68	154330	387	376	501	501	25,1	24,3
W-16x26	154339	417	409	557	528	22,7	22,9
W-16x26	154340	449	433	542	534	22,6	21,8
W-16x26	154341	434	426	532	530	22,5	21,8
W-16x26	154342	450	444	547	539	22,2	22,1
W-16x26	154343	441	441	559	545	23,1	22,7
W-16x26	154346	447	443	556	540	23,1	22,8
W-16x26	154348	453	439	544	520	23,1	22,7
W-16x26	154349	408	420	504	520	22,9	22,
W-16x26	154350	433	423	528	514	22,5	22,1
W-16x31	154301	442	435	547	537	22,7	22,4
W-16x31	154302	415	413	517	503	22,9	22,7
W-16x31	154303	420	418	527	523	22,6	21,8
W-16x31	154304	431	424	532	520	22,3	22,2
W-16x31	154332	420	409	523	521	22,4	22,
W-18x35	154217	389	385	510	495	22,6	22,4
W-18x35	154218	403	385	519	499	22,3	21,9
W-18x35	154219	406	396	516	502	22,8	21,9
W-18x35	154220	417	411	544	522	22,3	22,
W-18x35	154221	419	407	529	527	22,7	21,9
W-18x35	154222	403	395	521	499	23,1	22,7
W-18x35	154223	393	392	513	499	22,7	22,1
W-18x35	154224	413	397	524	510	22,7	21,8
W-18x35	154225	395	393	508	493	23,7	23,4
W-18x65	154204	389	373	521	498	22,5	21,9

ArçelorMittal Gipuzkoa, S.L.U.  
**ArçelorMittal Europe – Long Products**  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

OLA P-42651

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B06	C11		C12		C13	
W-21x73	151293	385	384	516	501	23,	22,6
W-24x68	154856	409	401	520	500	23,1	22,6
W-24x68	154857	409	407	515	506	23,2	22,4
W-24x76	154859	381	375	496	489	23,1	22,2
W-6x15	153478	440	429	556	545	22,2	21,9
W-6x15	154715	400	386	531	515	22,6	21,8
W-6x15	154716	407	399	514	512	22,6	22,6
W-6x15	154717	419	417	533	521	22,5	22,5
W-8x18	154579	409	401	524	524	22,9	22,4
W-8x18	154580	392	388	532	510	22,8	22,6
W-8x18	154581	428	416	554	541	22,8	22,4
W-8x18	154582	425	421	558	548	22,9	22,6
W-8x31	154716	422	412	529	523	22,8	22,3
W-8x31	154717	391	391	502	492	22,4	22,1
W-8x31	154718	410	398	512	501	23,4	22,5
W-8x31	154719	378	378	506	504	22,9	22,6
W-8x31	154720	428	416	525	512	23,3	22,7
W-8x31	154721	380	396	496	504	22,2	22,4
W-8x48	154689	359	353	492	491	23,3	22,7
W-8x48	154690	380	378	497	492	27,3	26,3
W-8x58	153565	379	373	514	492	23,8	23,7
W-8x58	154687	403	389	533	527	25,6	25,4

### 77 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

Lorenzo Zabala

56-36-10-00  
 REMISION NUESTROS ARCHIVOS,  
 COPIA FIEL  
 ventas@ferrebarniedo.com.mx