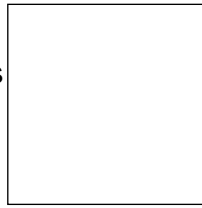


ArcelorMittal Gipuzkoa, S.L.U.  
 ArcelorMittal Europe – Long Products  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

OLA P-43326

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 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		KARINE BULKER
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE	
mcabello	01-E-49964 / 1700019868	20162	31/01/2015	

Material: WF Vigas,

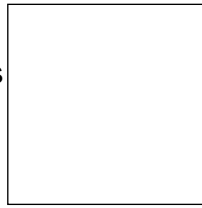
El exportador de los productos incluidos en el presente documento,  
 Autorización aduanera no.

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
+/RED							
WF BEAMS 10x49	40´	6	6	36	5334	32.004	154355,154356,154357, 154358,154827,154828, 154829,154843,155365, 155369,155895,155896
WF BEAMS 16x26	40´	15	7	105	3302	49.530	155895,155896,155897, 155898,155899,155900, 156033
WF BEAMS 16x31	40´	8	7	56	3937	31.496	155886,155887,155888, 155889,155890
WF BEAMS 16x36	40´	26	6	156	3919	101.894	155906,155907,155908, 155909,155910
WF BEAMS 16x40	40´	28	6	168	4355	121.940	155998,155999,156000, 156001,156002,156003, 156004,156005,156006
WF BEAMS 16x45	40´	7	5	35	4082	28.574	155990,155991
WF BEAMS 16x50	40´	11	5	55	4536	49.896	155986,155987
WF BEAMS 18x35	40´	4	7	28	4446	17.784	155373,155859,155878, 155879,155880,155881
WF BEAMS 18x50	40´	7	5	35	4536	31.752	155833,155834,155835, 155836
WF BEAMS 18x60	40´	7	4	28	4354	30.478	155812,155813,155815, 155816,155817
WF BEAMS 18x76	40´	3	3	9	4137	12.411	151771,151880,151882, 151884,152821

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-43326

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 21x44	40´	11	6	66	4790	52.690	156006,156007,156008,156009,156010,156022,156023,156024,156025,156026,156027,156028,156029
WF BEAMS 21x57	40´	5	5	25	5171	25.855	153913,154914,156030,156031
WF BEAMS 21x57	40´	1	4	4	4137	4.137	154914
WF BEAMS 21x62	40´	9	4	36	4500	40.500	152029,152030,155452,155470,155473,155474,155484
WF BEAMS 24x55	40´	12	5	60	4990	59.880	154890,156034,156035,156036,156037,156038,156039,156040,156041,156042
WF BEAMS 24x68	40´	10	4	40	4935	49.350	155897,155898,155899,155900,155901,155902,155903,155904,155905,155906,155907,155908,155960,155961,155962,155963,155964,156082
WF BEAMS 24x76	40´	12	3	36	4137	49.644	155967,155968,155969,155970,155971,155972,155973,155974,155975,155976,155977
WF BEAMS 24x84	40´	7	3	21	4572	32.004	153886,154862,154893,154894,154895,155991,155992,155993,155994
WF BEAMS 24x94	40´	6	3	18	5117	30.702	154304,155997,155998,155999,156000,156001,156002,156003,156005

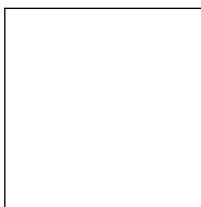
TOTAL BUNDLES 195 TOTAL WEIGHT 852.521 Kg.

A02 EN 10204/3.1

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

(B01/B02/B03) A03

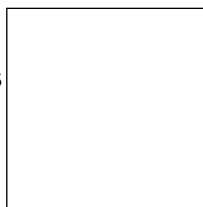




## MILL TEST CERTIFICATE

OLA P-43326

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																		
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV					
Boa																			
155888	,083	,700	,220	,018	,021	,047	,140	,160	,029	,400	,003	,024	,003	,28					
155889	,081	,690	,200	,021	,025	,041	,140	,200	,034	,450	,003	,024	,003	,28					
155890	,090	,720	,200	,022	,021	,044	,170	,190	,035	,410	,003	,025	,003	,30					
155895	,093	,740	,200	,016	,017	,044	,140	,270	,045	,420	,003	,026	,002	,31					
155896	,093	,770	,190	,018	,020	,046	,110	,240	,041	,490	,003	,027	,001	,31					
155897	,084	,760	,200	,024	,018	,044	,240	,400	,071	,550	,003	,034	,001	,35					
155898	,087	,750	,190	,028	,020	,041	,280	,410	,059	,540	,003	,031	,003	,35					
155899	,098	,780	,200	,019	,018	,044	,160	,240	,032	,430	,003	,028	,001	,32					
155900	,089	,740	,200	,017	,020	,046	,140	,250	,031	,410	,003	,027	,002	,30					
155901	,109	,760	,210	,019	,018	,051	,180	,260	,032	,410	,003	,030	,002	,33					
155902	,094	,780	,210	,021	,020	,052	,210	,250	,038	,400	,003	,033	,003	,33					
155903	,097	,780	,210	,019	,019	,047	,160	,260	,041	,480	,003	,026	,002	,33					
155904	,091	,760	,200	,021	,020	,043	,150	,230	,038	,460	,003	,030	,001	,31					
155905	,098	,770	,180	,020	,022	,047	,140	,250	,038	,460	,003	,031	,001	,32					
155906	,094	,730	,190	,019	,020	,046	,130	,250	,034	,430	,003	,026	,002	,30					
155907	,084	,720	,200	,021	,020	,046	,160	,260	,045	,440	,003	,032	,002	,30					
155908	,099	,720	,200	,021	,022	,043	,140	,240	,035	,440	,003	,033	,004	,31					
155909	,093	,730	,210	,020	,026	,048	,150	,260	,039	,390	,003	,035	,003	,31					
155910	,081	,700	,200	,023	,021	,047	,160	,240	,032	,390	,003	,030	,003	,29					
155960	,093	,680	,180	,015	,020	,044	,120	,250	,053	,350	,003	,027	,003	,29					
155961	,116	,720	,190	,022	,019	,045	,180	,220	,042	,420	,003	,030	,003	,33					
155962	,099	,740	,210	,024	,017	,044	,120	,210	,042	,410	,003	,028	,002	,30					
155963	,109	,760	,220	,024	,016	,044	,120	,200	,033	,390	,003	,027	,003	,31					
155964	,102	,710	,210	,018	,019	,044	,100	,210	,034	,440	,003	,029	,003	,30					
155967	,095	,710	,170	,018	,020	,049	,110	,230	,040	,370	,003	,024	,002	,29					
155968	,089	,720	,180	,017	,022	,049	,130	,230	,037	,380	,003	,026	,002	,29					
155969	,097	,730	,170	,017	,022	,049	,140	,270	,039	,380	,003	,027	,002	,31					
155970	,103	,730	,190	,022	,025	,046	,130	,260	,038	,410	,003	,033	,002	,31					
155971	,101	,690	,180	,016	,023	,043	,090	,200	,029	,420	,003	,030	,002	,29					
155972	,093	,690	,190	,014	,020	,044	,080	,180	,026	,420	,003	,030	,001	,28					
155973	,090	,690	,190	,015	,022	,044	,100	,170	,030	,390	,003	,030	,002	,28					
155974	,106	,770	,180	,018	,019	,046	,130	,180	,036	,420	,003	,028	,001	,32					
155975	,092	,780	,170	,019	,018	,048	,160	,150	,029	,510	,003	,027	,001	,31					
155976	,090	,760	,150	,021	,020	,043	,130	,200	,033	,440	,003	,027	,001	,30					
155977	,088	,760	,170	,024	,023	,043	,110	,190	,031	,500	,003	,032	,002	,30					
155986	,099	,710	,190	,022	,018	,045	,160	,200	,044	,410	,003	,028	,003	,31					
155987	,105	,710	,190	,018	,019	,046	,160	,220	,046	,330	,003	,028	,002	,31					
155990	,097	,720	,210	,024	,019	,044	,160	,210	,043	,390	,003	,029	,003	,31					
155991	,094	,710	,200	,023	,023	,044	,150	,200	,039	,390	,003	,029	,002	,30					
155992	,069	,680	,220	,020	,039	,045	,130	,170	,032	,390	,003	,030	,003	,26					
155993	,096	,730	,170	,023	,025	,044	,110	,190	,035	,460	,003	,031	,001	,30					
155994	,096	,730	,170	,019	,024	,044	,100	,200	,035	,410	,003	,032	,001	,29					
155997	,097	,740	,180	,019	,019	,055	,100	,220	,040	,430	,003	,025	,001	,30					
155998	,097	,720	,170	,018	,020	,050	,110	,210	,040	,410	,003	,024	,001	,30					
155999	,083	,760	,180	,025	,023	,049	,170	,170	,030	,410	,003	,030	,001	,30					
156000	,098	,700	,180	,023	,022	,050	,160	,190	,038	,420	,003	,031	,001	,30					
156001	,075	,830	,180	,026	,027	,043	,230	,250	,039	,380	,003	,031	,001	,32					
156002	,082	,730	,190	,024	,020	,050	,180	,200	,033	,440	,003	,030	,001	,30					

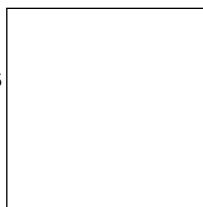


## MILL TEST CERTIFICATE

OLA P-43326

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
B08														
156003	,088	,710	,190	,024	,023	,052	,160	,190	,034	,420	,004	,034	,001	,30
156004	,077	,710	,200	,025	,023	,044	,150	,180	,031	,410	,003	,034	,002	,28
156005	,097	,730	,180	,024	,021	,047	,180	,210	,032	,410	,003	,030	,001	,31
156006	,103	,730	,160	,027	,023	,046	,170	,200	,033	,450	,003	,032	,001	,32
156007	,100	,720	,200	,015	,017	,043	,140	,210	,039	,420	,003	,031	,002	,31
156008	,119	,750	,190	,020	,017	,044	,110	,190	,036	,450	,003	,028	,002	,32
156009	,093	,730	,220	,021	,017	,043	,170	,200	,043	,400	,003	,025	,003	,31
156010	,111	,780	,200	,024	,019	,055	,210	,230	,048	,370	,003	,040	,003	,34
156022	,089	,730	,160	,024	,024	,039	,150	,220	,035	,440	,003	,028	,001	,30
156023	,091	,750	,170	,024	,025	,045	,130	,190	,030	,440	,003	,028	,001	,30
156024	,117	,770	,160	,023	,025	,048	,170	,190	,036	,440	,003	,030	,001	,34
156025	,101	,770	,190	,023	,022	,050	,210	,200	,034	,420	,003	,034	,001	,33
156026	,097	,760	,200	,024	,019	,047	,260	,210	,042	,390	,003	,034	,001	,33
156027	,111	,740	,180	,020	,017	,044	,240	,210	,051	,360	,003	,031	,001	,34
156028	,102	,750	,170	,019	,017	,045	,220	,210	,052	,370	,003	,030	,001	,33
156029	,096	,700	,220	,028	,018	,082	,240	,300	,060	,440	,003	,028	,003	,34
156030	,101	,740	,200	,027	,023	,048	,280	,310	,062	,410	,003	,033	,003	,35
156031	,110	,720	,190	,025	,019	,047	,250	,230	,061	,380	,003	,034	,005	,34
156033	,116	,760	,170	,023	,020	,049	,200	,220	,059	,410	,003	,022	,003	,35
156034	,104	,740	,210	,018	,017	,046	,160	,220	,052	,400	,003	,024	,002	,32
156035	,088	,710	,180	,018	,020	,045	,170	,210	,053	,390	,003	,021	,003	,30
156036	,096	,710	,180	,019	,019	,049	,210	,270	,059	,390	,003	,024	,002	,32
156037	,103	,730	,180	,021	,017	,046	,220	,220	,048	,390	,003	,024	,003	,33
156038	,103	,800	,200	,023	,019	,048	,220	,190	,035	,370	,003	,025	,003	,33
156039	,093	,720	,200	,018	,018	,045	,110	,200	,047	,400	,003	,030	,001	,29
156040	,105	,730	,210	,021	,019	,046	,140	,200	,037	,450	,003	,030	,001	,31
156041	,094	,740	,180	,018	,019	,046	,120	,160	,034	,360	,003	,029	,001	,29
156042	,093	,700	,200	,018	,019	,044	,130	,160	,033	,440	,003	,027	,003	,29
156082	,102	,690	,200	,015	,018	,045	,130	,160	,030	,340	,003	,025	,002	,29

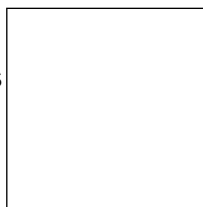
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-10x49	154355	386	384	508	504	23,7	23,4
W-10x49	154356	392	383	506	494	24,6	24,2
W-10x49	154357	391	388	524	504	24,2	23,5
W-10x49	154358	424	418	565	557	22,6	22,1
W-10x49	154827	398	398	523	513	23,1	22,3
W-10x49	154828	407	397	524	518	23,1	22,8
W-10x49	154829	434	420	550	538	22,5	22,
W-10x49	154843	415	412	551	530	23,9	23,7
W-10x49	155365	415	426	550	528	24,5	24,1
W-10x49	155369	411	395	516	510	26,8	26,5
W-10x49	155895	407	401	522	512	22,6	22,3
W-10x49	155896	405	398	526	506	23,6	22,7
W-16x26	155895	441	433	552	548	22,6	22,4
W-16x26	155896	439	437	574	552	23,	22,2
W-16x26	155897	439	432	573	554	22,4	21,8



## MILL TEST CERTIFICATE

OLA P-43326

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-16x26	155898	451	447	569	554	22,2	22,
W-16x26	155899	446	444	549	545	22,3	22,2
W-16x26	155900	457	442	552	546	22,9	22,7
W-16x26	156033	453	446	572	552	23,	22,3
W-16x31	155886	451	449	568	558	23,	22,7
W-16x31	155887	448	433	539	537	22,8	22,5
W-16x31	155888	416	412	498	486	22,4	21,7
W-16x31	155889	428	412	515	500	22,4	22,1
W-16x31	155890	429	424	524	508	22,5	22,4
W-16x36	155906	392	408	508	525	26,1	27,
W-16x36	155907	396	390	509	505	22,6	21,9
W-16x36	155908	410	396	521	513	22,8	22,2
W-16x36	155909	398	388	506	502	22,5	22,4
W-16x36	155910	400	393	508	499	22,6	22,1
W-16x40	155998	397	393	520	504	22,3	21,8
W-16x40	155999	402	390	516	514	22,8	22,2
W-16x40	156000	408	392	523	519	22,4	21,9
W-16x40	156001	416	411	537	529	23,3	22,8
W-16x40	156002	388	384	503	495	25,7	25,3
W-16x40	156003	379	379	501	491	22,6	22,5
W-16x40	156004	420	402	541	521	23,5	22,6
W-16x40	156005	385	375	502	491	22,6	22,1
W-16x40	156006	417	413	543	524	23,5	23,1
W-16x45	155990	392	392	514	508	22,6	22,1
W-16x45	155991	388	390	501	519	26,8	26,5
W-16x45	155991	388	390	501	519	26,8	26,5
W-16x50	155986	390	389	525	505	23,1	22,5
W-16x50	155987	396	384	513	510	22,9	23,4
W-18x35	155373	417	393	497	528	22,5	22,4
W-18x35	155859	427	419	557	543	24,9	24,1
W-18x35	155878	399	397	525	509	22,1	22,
W-18x35	155879	412	396	527	512	22,9	22,2
W-18x35	155880	409	393	517	505	23,1	23,
W-18x35	155881	413	399	513	497	25,5	25,1
W-18x50	155833	386	372	500	489	24,6	23,8
W-18x50	155834	395	386	511	505	24,4	23,6
W-18x50	155835	405	389	524	508	26,9	26,
W-18x50	155836	410	398	532	497	23,9	22,
W-18x60	155812	394	392	522	504	22,4	22,1
W-18x60	155813	409	393	530	522	22,3	22,
W-18x60	155815	395	382	508	506	22,9	22,2
W-18x60	155816	402	394	520	506	24,9	24,5
W-18x60	155817	392	386	527	512	22,3	22,
W-18x76	151771	395	383	528	510	22,8	22,2
W-18x76	151880	420	408	538	526	22,2	22,
W-18x76	151882	399	383	521	499	22,4	22,1
W-18x76	151884	382	380	509	487	22,9	22,4
W-18x76	152821	401	393	527	513	22,7	22,6

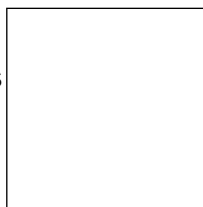


## MILL TEST CERTIFICATE

OLA P-43326

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-21x44	156006	404	390	516	504	23,1	22,9
W-21x44	156007	408	394	516	508	23,8	22,9
W-21x44	156008	409	403	535	517	23,7	23,
W-21x44	156009	398	386	529	511	26,	25,3
W-21x44	156010	398	382	514	502	24,	23,5
W-21x44	156022	397	391	508	504	23,9	23,1
W-21x44	156023	401	395	532	518	22,7	22,1
W-21x44	156024	398	387	522	512	22,2	22,1
W-21x44	156025	422	406	527	523	23,5	23,3
W-21x44	156026	406	398	521	516	22,4	22,1
W-21x44	156027	405	392	522	512	24,8	24,3
W-21x44	156028	438	422	567	559	22,5	21,9
W-21x44	156029	437	420	564	542	22,5	21,7
W-21x57	153913	397	387	512	492	24,7	24,4
W-21x57	154914	390	374	512	504	25,8	25,1
W-21x57	156030	418	412	549	533	22,8	22,8
W-21x57	156031	402	384	525	511	24,	23,1
W-21x62	152029	367	381	490	493	23,6	23,8
W-21x62	152030	404	372	509	493	23,4	23,4
W-21x62	155452	389	390	514	528	23,1	23,3
W-21x62	155470	391	375	509	505	23,	22,8
W-21x62	155473	399	385	524	508	22,7	22,5
W-21x62	155474	409	395	533	521	23,2	22,4
W-21x62	155484	396	380	522	510	23,	22,2
W-24x55	154890	397	382	497	487	24,	23,1
W-24x55	156034	412	365	494	513	23,7	24,3
W-24x55	156035	409	395	523	501	22,5	21,8
W-24x55	156036	398	392	515	501	22,8	22,1
W-24x55	156037	386	383	510	500	25,9	25,1
W-24x55	156038	393	381	508	498	24,	23,9
W-24x55	156039	416	409	533	528	23,5	23,2
W-24x55	156040	392	390	508	492	23,3	22,6
W-24x55	156041	407	399	525	512	23,7	23,3
W-24x55	156042	401	389	509	506	23,8	23,3
W-24x68	155897	395	381	508	500	22,3	22,1
W-24x68	155898	413	401	526	506	22,1	22,9
W-24x68	155899	401	401	531	507	22,5	22,2
W-24x68	155900	409	409	531	518	23,4	22,5
W-24x68	155901	425	411	535	527	22,2	22,1
W-24x68	155902	408	404	528	522	22,6	21,8
W-24x68	155903	429	411	547	535	22,2	22,
W-24x68	155904	421	403	536	528	22,1	22,
W-24x68	155905	404	400	525	515	22,6	21,7
W-24x68	155906	436	426	552	540	23,5	23,3
W-24x68	155907	431	423	539	529	25,5	25,5
W-24x68	155908	426	422	554	530	23,3	22,8
W-24x68	155960	396	382	504	490	27,4	26,5
W-24x68	155961	413	407	533	521	22,6	22,2

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## MILL TEST CERTIFICATE

OLA P-43326

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-24x68	155962	409	405	521	507	22,5	21,7
W-24x68	155963	411	407	531	515	22,8	22,4
W-24x68	155964	400	394	521	517	22,7	22,1
W-24x68	156082	399	399	522	506	23,7	23,1
W-24x76	155967	398	398	510	496	22,2	22,1
W-24x76	155968	375	375	490	490	22,3	22,1
W-24x76	155969	401	395	521	513	24,1	23,4
W-24x76	155970	407	393	517	511	26,1	25,9
W-24x76	155971	397	383	511	495	22,9	22,8
W-24x76	155972	394	384	510	490	23,4	22,5
W-24x76	155973	391	387	506	484	22,9	22,2
W-24x76	155974	408	394	526	504	22,3	21,9
W-24x76	155975	404	398	530	514	22,6	22,3
W-24x76	155976	400	384	489	495	24,3	21,9
W-24x76	155977	394	386	501	499	25,3	25,1
W-24x84	153886	390	376	505	491	23,	22,5
W-24x84	154862	376	384	482	504	26,	26,4
W-24x84	154893	419	411	546	526	22,2	22,1
W-24x84	154894	417	417	541	533	23,	22,9
W-24x84	154895	433	424	556	544	22,2	21,8
W-24x84	155991	380	384	499	509	23,3	22,8
W-24x84	155991	380	384	499	509	23,3	22,8
W-24x84	155992	374	366	492	492	22,8	22,6
W-24x84	155993	375	365	506	488	24,9	24,9
W-24x84	155994	365	362	492	490	22,9	22,8
W-24x94	154304	358	368	502	479	25,4	22,
W-24x94	155997	390	386	509	498	25,	24,7
W-24x94	155998	382	374	514	494	22,3	21,9
W-24x94	155999	391	381	511	491	22,7	22,6
W-24x94	156000	393	391	500	498	22,9	22,1
W-24x94	156001	373	360	508	481	27,1	25,9
W-24x94	156002	382	372	493	491	22,9	22,4
W-24x94	156003	375	369	503	485	24,5	23,7
W-24x94	156005	363	374	493	488	22,	25,4

### 125 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