

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



ER-0036/1992



## MILL TEST CERTIFICATE

OLA P-68095

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	PARIS TRADER
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-72104/1700029477	29523	22/04/2020

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 6x20	40´	1	14	14	5080	5.080	196250
WF BEAMS 6x20	40´	2	14	28	5080	10.160	196672
WF BEAMS 6x20	40´	1	13	13	4717	4.717	194703
WF BEAMS 8x31	40´	1	8	8	4499	4.499	195344
WF BEAMS 8x31	40´	4	8	32	4499	17.996	195345
WF BEAMS 8x48	40´	2	6	12	5225	10.450	196671
WF BEAMS 8x48	40´	1	6	6	5225	5.225	196672
WF BEAMS 8x48	40´	2	6	12	5225	10.450	196673
WF BEAMS 8x18	40´	3	16	48	5226	15.678	196398
WF BEAMS 8x18	40´	1	16	16	5226	5.226	196399
WF BEAMS 8x18	40´	1	16	16	5226	5.226	196463
WF BEAMS 8x21	40´	4	12	48	4572	18.288	196386
WF BEAMS 8x21	40´	1	12	12	4572	4.572	196387
WF BEAMS 8x21	40´	2	12	24	4572	9.144	196388
WF BEAMS 10x12	40´	5	22	110	4790	23.950	196237
WF BEAMS 10x12	40´	2	22	44	4790	9.580	196238
WF BEAMS 10x12	40´	1	22	22	4790	4.790	196239
WF BEAMS 10x12	40´	1	22	22	4790	4.790	196240
WF BEAMS 10x15	40´	2	18	36	4898	9.796	196246
WF BEAMS 10x15	40´	2	18	36	4898	9.796	196247

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 10x15	40´	1	18	18	4898	4.898	196248
WF BEAMS 10x15	40´	1	18	18	4898	4.898	196274
WF BEAMS 10x15	40´	4	18	72	4898	19.592	196275
WF BEAMS 10x17	40´	2	16	32	4935	9.870	196236
WF BEAMS 10x17	40´	3	16	48	4935	14.805	196709
WF BEAMS 10x19	40´	3	14	42	4827	14.481	196226
WF BEAMS 10x19	40´	4	14	56	4827	19.308	196227
WF BEAMS 10x19	40´	1	14	14	4827	4.827	196228
WF BEAMS 10x19	40´	2	14	28	4827	9.654	196229
WF BEAMS 10x19	40´	1	14	14	4827	4.827	196706
WF BEAMS 10x19	40´	1	10	10	3448	3.448	196226
WF BEAMS 10x19	40´	1	12	12	4137	4.137	196706
WF BEAMS 10x26	40´	2	10	20	4717	9.434	196743
WF BEAMS 10x26	40´	2	10	20	4717	9.434	196744
WF BEAMS 10x26	40´	1	10	10	4717	4.717	196745
WF BEAMS 10x26	40´	3	10	30	4717	14.151	196746
WF BEAMS 10x26	40´	1	10	10	4717	4.717	196747
WF BEAMS 10x30	40´	2	8	16	4370	8.740	196738
WF BEAMS 10x30	40´	2	8	16	4370	8.740	196739
WF BEAMS 10x30	40´	2	8	16	4370	8.740	196740
WF BEAMS 10x49	40´	1	6	6	5334	5.334	197057
WF BEAMS 10x49	40´	2	6	12	5334	10.668	197059
WF BEAMS 12x14	40´	1	20	20	5079	5.079	194919
WF BEAMS 12x22	40´	1	5	5	1996	1.996	196157
WF BEAMS 12x26	40´	1	10	10	4717	4.717	196063
WF BEAMS 12x26	40´	2	10	20	4717	9.434	196725
WF BEAMS 12x26	40´	6	10	60	4717	28.302	196772
WF BEAMS 12x30	40´	3	8	24	4355	13.065	196722
WF BEAMS 12x30	40´	1	2	2	1089	1.089	196208
WF BEAMS 12x30	40´	1	7	7	3811	3.811	194811
WF BEAMS 12x30	40´	1	5	5	2722	2.722	196722
WF BEAMS 12x40	40´	11	5	55	3629	39.919	196768
WF BEAMS 12x40	40´	6	5	30	3629	21.774	196771
WF BEAMS 12x40	40´	6	5	30	3629	21.774	196773
WF BEAMS 12x40	40´	3	5	15	3629	10.887	196774
WF BEAMS 12x40	40´	5	5	25	3629	18.145	196775
WF BEAMS 12x40	40´	1	4	4	2903	2.903	196768

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 12x45	40´	6	5	30	4082	24.492	196763
WF BEAMS 12x45	40´	10	5	50	4082	40.820	196764
WF BEAMS 12x45	40´	4	5	20	4082	16.328	196765
WF BEAMS 12x45	40´	1	5	5	4082	4.082	196766
WF BEAMS 14x22	40´	3	9	27	3592	10.776	196360
WF BEAMS 14x22	40´	5	9	45	3592	17.960	196361
WF BEAMS 14x22	40´	1	9	9	3592	3.592	196362
WF BEAMS 14x22	40´	1	9	9	3592	3.592	196364
WF BEAMS 14x22	40´	1	7	7	2794	2.794	196365
WF BEAMS 14x30	40´	8	6	48	3266	26.128	196344
WF BEAMS 14x30	40´	11	6	66	3266	35.926	196345
WF BEAMS 14x30	40´	3	6	18	3266	9.798	196346
WF BEAMS 14x30	40´	1	6	6	3266	3.266	196347
WF BEAMS 14x30	40´	1	6	6	3266	3.266	196348
WF BEAMS 14x34	40´	11	6	66	3701	40.711	196327
WF BEAMS 14x34	40´	6	6	36	3701	22.206	196328
WF BEAMS 14x38	40´	8	6	48	4137	33.096	196324
WF BEAMS 14x43	40´	3	5	15	3901	11.703	195939
WF BEAMS 14x43	40´	1	5	5	3901	3.901	195941
WF BEAMS 14x43	40´	6	5	30	3901	23.406	195945
WF BEAMS 14x43	40´	2	5	10	3901	7.802	195956
WF BEAMS 14x43	40´	2	5	10	3901	7.802	195957
WF BEAMS 14x53	40´	10	5	50	4808	48.080	197036
WF BEAMS 14x53	40´	11	5	55	4808	52.888	197037
WF BEAMS 14x53	40´	1	5	5	4808	4.808	197038
WF BEAMS 16x26	40´	1	7	7	3302	3.302	196891
WF BEAMS 16x26	40´	5	7	35	3302	16.510	196892
WF BEAMS 16x26	40´	2	7	14	3302	6.604	196908
WF BEAMS 16x26	40´	8	7	56	3302	26.416	196909
WF BEAMS 16x26	40´	2	7	14	3302	6.604	196911
WF BEAMS 16x26	40´	2	7	14	3302	6.604	196912
WF BEAMS 16x36	40´	1	6	6	3919	3.919	195981
WF BEAMS 16x36	40´	2	6	12	3919	7.838	195982
WF BEAMS 16x36	40´	2	6	12	3919	7.838	195983
WF BEAMS 16x36	40´	5	6	30	3919	19.595	195984
WF BEAMS 16x36	40´	1	6	6	3919	3.919	195985
WF BEAMS 16x40	40´	1	6	6	4355	4.355	195221



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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 16x40	40´	6	6	36	4355	26.130	195967
WF BEAMS 16x45	40´	5	5	25	4082	20.410	195967
WF BEAMS 16x45	40´	5	5	25	4082	20.410	197018
WF BEAMS 16x67	40´	1	3	3	3647	3.647	195926
WF BEAMS 18x35	40´	4	7	28	4446	17.784	195929
WF BEAMS 18x35	40´	2	7	14	4446	8.892	195930
WF BEAMS 18x40	40´	2	7	14	5081	10.162	195181
WF BEAMS 18x40	40´	4	7	28	5081	20.324	195890
WF BEAMS 18x46	40´	1	6	6	5008	5.008	195886
WF BEAMS 18x46	40´	1	6	6	5008	5.008	196957
WF BEAMS 18x46	40´	1	5	5	4173	4.173	193971
WF BEAMS 18x55	40´	2	5	10	4990	9.980	195323
WF BEAMS 18x55	40´	1	5	5	4990	4.990	195324
WF BEAMS 18x55	40´	2	5	10	4990	9.980	195982
WF BEAMS 18x65	40´	3	4	12	4717	14.151	195975
WF BEAMS 12x72	40´	2	3	6	3919	7.838	196801
WF BEAMS 12x72	40´	4	3	12	3919	15.676	196803
WF BEAMS 12x79	40´	5	3	15	4300	21.500	196091
WF BEAMS 12x79	40´	1	3	3	4300	4.300	196103
WF BEAMS 18x76	40´	2	3	6	4137	8.274	196967
WF BEAMS 18x76	40´	1	3	3	4137	4.137	196970
WF BEAMS 18x76	40´	2	3	6	4137	8.274	196972
WF BEAMS 18x76	40´	4	3	12	4137	16.548	196974
WF BEAMS 18x76	40´	3	3	9	4137	12.411	196977
WF BEAMS 18x76	40´	2	3	6	4137	8.274	196987
WF BEAMS 21x44	40´	4	6	24	4790	19.160	195843
WF BEAMS 21x44	40´	1	6	6	4790	4.790	196992
WF BEAMS 21x44	40´	1	6	6	4790	4.790	196993
WF BEAMS 21x44	40´	1	6	6	4790	4.790	196994
WF BEAMS 21x44	40´	5	6	30	4790	23.950	196995
WF BEAMS 21x44	40´	1	6	6	4790	4.790	196997
WF BEAMS 21x44	40´	1	6	6	4790	4.790	196999
WF BEAMS 21x50	40´	2	5	10	4536	9.072	197002
WF BEAMS 21x50	40´	3	5	15	4536	13.608	197004
WF BEAMS 21x57	40´	2	5	10	5171	10.342	196945
WF BEAMS 21x57	40´	3	5	15	5171	15.513	196946
WF BEAMS 21x68	40´	4	4	16	4935	19.740	196911



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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 21x68	40´	5	4	20	4935	24.675	196912
WF BEAMS 21x83	40´	3	3	9	4518	13.554	196089
WF BEAMS 21x83	40´	2	3	6	4518	9.036	196931
WF BEAMS 21x93	40´	4	3	12	5062	20.248	193803
WF BEAMS 21x93	40´	1	3	3	5062	5.062	193804
WF BEAMS 24x55	40´	2	5	10	4990	9.980	196845
WF BEAMS 24x55	40´	7	5	35	4990	34.930	196846
WF BEAMS 24x55	40´	1	5	5	4990	4.990	196847
WF BEAMS 24x55	40´	4	5	20	4990	19.960	196852
WF BEAMS 24x55	40´	2	5	10	4990	9.980	196853
WF BEAMS 24x55	40´	1	5	5	4990	4.990	196854
WF BEAMS 24x55	40´	3	5	15	4990	14.970	196855
WF BEAMS 24x55	40´	1	5	5	4990	4.990	196856
WF BEAMS 24x55	40´	6	5	30	4990	29.940	196857
WF BEAMS 24x55	40´	8	5	40	4990	39.920	196858
WF BEAMS 24x55	40´	1	5	5	4990	4.990	196859
WF BEAMS 24x62	40´	3	4	12	4500	13.500	196939
WF BEAMS 24x68	40´	3	4	12	4935	14.805	196878
WF BEAMS 24x68	40´	7	4	28	4935	34.545	196879
WF BEAMS 24x68	40´	1	4	4	4935	4.935	196884
WF BEAMS 24x68	40´	1	4	4	4935	4.935	196917
WF BEAMS 24x68	40´	1	4	4	4935	4.935	196921
WF BEAMS 24x76	40´	2	3	6	4137	8.274	196853
WF BEAMS 24x76	40´	2	3	6	4137	8.274	196854
WF BEAMS 24x76	40´	1	3	3	4137	4.137	196855
WF BEAMS 24x76	40´	2	3	6	4137	8.274	196856
WF BEAMS 24x76	40´	4	3	12	4137	16.548	196859
WF BEAMS 24x94	40´	2	3	6	5117	10.234	196866
WF BEAMS 24x94	40´	3	3	9	5117	15.351	196867

TOTAL BUNDLES 456

TOTAL WEIGHT 1.971.755 Kg.

A02 EN 10204/3.1

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

OLAP68095 (B01/B02/B03) A03



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## MILL TEST CERTIFICATE

OLA P-68095

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
193803	,088	1,000	,180	,018	,023	,005	,070	,140	,024	,310	,036	,029	,001	,30				
193804	,070	,950	,190	,019	,025	,004	,070	,160	,029	,350	,034	,029	,002	,28				
193971	,076	,960	,210	,017	,019	,004	,090	,150	,017	,400	,033	,027	,003	,29				
194703	,058	,890	,200	,020	,020	,005	,110	,240	,049	,470	,033	,027	,002	,29				
194811	,078	,990	,210	,019	,019	,006	,160	,180	,034	,330	,034	,024	,003	,32				
194919	,088	,980	,190	,018	,018	,005	,080	,160	,042	,400	,030	,029	,003	,31				
195181	,082	1,030	,200	,020	,027	,008	,090	,200	,038	,380	,032	,018	,002	,32				
195221	,075	,970	,210	,026	,022	,007	,110	,160	,027	,410	,035	,021	,003	,30				
195323	,071	,980	,240	,015	,019	,004	,100	,240	,053	,360	,031	,017	,004	,31				
195324	,070	,990	,200	,015	,021	,004	,090	,260	,052	,400	,032	,016	,002	,31				
195344	,110	,990	,230	,019	,022	,004	,110	,210	,033	,410	,037	,018	,003	,35				
195345	,100	,990	,230	,023	,021	,004	,140	,190	,033	,390	,036	,017	,003	,34				
195843	,090	,960	,210	,014	,023	,003	,090	,180	,048	,330	,032	,022	,003	,31				
195886	,128	1,010	,210	,022	,019	,004	,120	,180	,031	,390	,035	,030	,004	,37				
195890	,085	,940	,200	,026	,022	,005	,150	,200	,038	,450	,033	,025	,003	,32				
195926	,082	,940	,180	,017	,021	,004	,090	,170	,036	,450	,032	,026	,003	,31				
195929	,072	,960	,200	,018	,022	,004	,100	,170	,044	,410	,032	,022	,003	,30				
195930	,089	,910	,190	,022	,024	,005	,100	,190	,041	,440	,033	,027	,003	,31				
195939	,081	1,070	,200	,018	,024	,004	,090	,170	,038	,400	,035	,026	,003	,32				
195941	,105	1,060	,210	,022	,024	,004	,090	,200	,039	,400	,034	,027	,003	,35				
195945	,092	,950	,210	,020	,024	,005	,100	,170	,037	,390	,033	,023	,004	,32				
195956	,083	,920	,200	,031	,021	,004	,270	,200	,042	,500	,030	,023	,004	,35				
195957	,073	,900	,170	,024	,022	,004	,160	,210	,046	,410	,031	,023	,003	,31				
195967	,107	,960	,220	,022	,022	,004	,090	,180	,040	,410	,031	,022	,003	,33				
195975	,114	,980	,210	,026	,020	,005	,110	,200	,034	,420	,034	,027	,004	,35				
195981	,094	,920	,220	,021	,020	,004	,130	,190	,037	,430	,032	,024	,004	,32				
195982	,091	,900	,210	,022	,021	,004	,160	,180	,039	,410	,032	,023	,005	,32				
195983	,105	,810	,200	,022	,028	,003	,100	,180	,035	,450	,029	,024	,004	,31				
195984	,105	,940	,230	,020	,023	,004	,110	,200	,041	,450	,032	,023	,004	,34				
195985	,106	,890	,190	,019	,018	,003	,110	,170	,033	,430	,030	,023	,004	,32				
196063	,068	,980	,180	,023	,018	,005	,110	,180	,037	,470	,034	,024	,001	,31				
196089	,074	,920	,210	,019	,024	,004	,110	,220	,043	,380	,034	,022	,004	,30				
196091	,082	,900	,200	,022	,018	,004	,150	,220	,044	,420	,034	,021	,003	,31				
196103	,070	,940	,220	,019	,024	,004	,110	,190	,046	,490	,035	,026	,004	,30				
196157	,079	,930	,210	,021	,026	,004	,090	,200	,033	,420	,034	,027	,003	,30				
196208	,081	,890	,200	,020	,020	,004	,140	,200	,040	,390	,030	,022	,003	,31				
196226	,078	,900	,170	,021	,017	,004	,090	,190	,025	,390	,031	,020	,003	,29				
196227	,071	1,000	,210	,020	,021	,006	,170	,190	,035	,350	,033	,023	,004	,32				
196228	,071	1,000	,210	,020	,021	,006	,170	,190	,035	,350	,033	,023	,004	,32				
196229	,067	,940	,180	,019	,025	,005	,090	,200	,028	,370	,034	,022	,001	,29				
196236	,081	,960	,210	,021	,019	,004	,110	,180	,037	,380	,040	,021	,003	,31				
196237	,086	1,020	,200	,020	,019	,005	,130	,180	,039	,400	,041	,022	,001	,33				
196238	,077	,970	,220	,021	,024	,005	,120	,190	,043	,410	,037	,023	,002	,31				
196239	,082	1,020	,220	,021	,020	,005	,120	,180	,033	,400	,037	,022	,002	,32				
196240	,080	1,010	,220	,023	,023	,005	,130	,190	,040	,400	,036	,021	,002	,32				
196246	,058	1,020	,220	,023	,024	,006	,140	,210	,035	,420	,035	,029	,003	,31				
196247	,062	,920	,220	,019	,023	,004	,110	,190	,030	,430	,031	,025	,004	,29				
196248	,063	,960	,220	,019	,027	,005	,110	,160	,030	,420	,034	,023	,003	,29				



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## MILL TEST CERTIFICATE

OLA P-68095

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
196250	,065	,920	,200	,019	,022	,004	,100	,180	,033	,430	,031	,019	,003	,29				
196274	,071	,920	,250	,024	,022	,005	,190	,230	,048	,370	,031	,022	,003	,31				
196275	,097	,970	,190	,022	,019	,004	,140	,190	,033	,360	,031	,022	,004	,33				
196324	,065	,930	,210	,023	,025	,005	,170	,210	,039	,400	,035	,025	,002	,30				
196327	,083	,940	,210	,020	,025	,005	,160	,180	,038	,480	,035	,026	,002	,32				
196328	,078	,900	,200	,025	,024	,005	,160	,190	,036	,450	,032	,029	,002	,31				
196344	,095	,900	,200	,025	,026	,005	,120	,260	,036	,420	,037	,034	,005	,32				
196345	,079	,920	,200	,019	,024	,006	,130	,200	,036	,400	,035	,037	,003	,31				
196346	,067	,930	,190	,023	,025	,004	,120	,240	,038	,440	,033	,036	,003	,30				
196347	,064	,910	,210	,018	,025	,005	,110	,220	,030	,390	,030	,028	,003	,29				
196348	,071	,980	,210	,020	,022	,005	,110	,210	,031	,420	,037	,025	,003	,31				
196360	,119	,960	,230	,023	,018	,004	,200	,180	,027	,400	,041	,021	,003	,36				
196361	,094	,940	,210	,026	,022	,004	,170	,190	,037	,400	,034	,025	,003	,33				
196362	,092	,890	,180	,024	,020	,004	,150	,200	,035	,420	,030	,026	,003	,32				
196364	,108	,860	,180	,026	,018	,004	,150	,240	,031	,420	,031	,021	,001	,33				
196365	,072	,940	,220	,020	,024	,005	,110	,200	,040	,440	,035	,021	,002	,30				
196386	,071	,910	,190	,022	,027	,004	,160	,210	,041	,460	,034	,027	,002	,31				
196387	,095	,970	,190	,018	,021	,005	,120	,180	,041	,460	,037	,026	,002	,33				
196388	,098	,970	,190	,022	,019	,006	,150	,180	,036	,490	,038	,027	,001	,34				
196398	,087	,930	,210	,022	,021	,005	,150	,190	,041	,500	,035	,027	,004	,33				
196399	,104	,950	,200	,021	,019	,004	,160	,200	,049	,420	,033	,023	,004	,35				
196463	,088	,910	,180	,026	,021	,004	,190	,240	,047	,460	,031	,029	,003	,33				
196671	,068	,910	,200	,018	,025	,006	,180	,230	,059	,360	,031	,021	,004	,31				
196672	,088	,920	,200	,019	,024	,005	,190	,240	,056	,370	,034	,021	,003	,33				
196673	,079	,930	,210	,017	,024	,005	,150	,200	,052	,370	,035	,023	,004	,31				
196706	,072	,950	,200	,027	,020	,006	,290	,220	,054	,410	,035	,028	,005	,34				
196709	,080	,940	,220	,021	,023	,006	,170	,260	,058	,380	,036	,035	,004	,33				
196722	,100	,920	,220	,019	,017	,004	,150	,240	,054	,450	,034	,029	,004	,34				
196725	,077	,960	,210	,020	,025	,006	,150	,250	,051	,360	,035	,027	,003	,32				
196738	,077	,920	,190	,022	,021	,006	,140	,210	,047	,380	,034	,030	,003	,31				
196739	,073	,900	,190	,018	,021	,005	,140	,200	,048	,370	,033	,027	,004	,30				
196740	,083	,900	,210	,018	,021	,006	,160	,200	,046	,350	,033	,024	,003	,31				
196743	,064	,930	,210	,016	,020	,007	,160	,200	,063	,340	,035	,024	,002	,30				
196744	,060	,940	,170	,018	,019	,005	,160	,210	,060	,370	,036	,024	,004	,30				
196745	,064	,930	,230	,019	,024	,005	,120	,190	,054	,470	,034	,027	,003	,30				
196746	,073	,920	,220	,016	,020	,005	,110	,210	,056	,430	,031	,026	,002	,30				
196747	,082	,890	,220	,018	,022	,004	,130	,250	,071	,350	,033	,025	,003	,31				
196763	,088	,940	,220	,023	,022	,006	,110	,240	,061	,400	,036	,034	,004	,32				
196764	,081	,970	,240	,019	,023	,006	,120	,210	,058	,370	,037	,031	,004	,32				
196765	,085	,930	,200	,019	,022	,005	,140	,220	,057	,400	,035	,038	,004	,32				
196766	,074	,910	,230	,019	,024	,005	,110	,190	,065	,320	,032	,029	,004	,30				
196768	,087	,920	,230	,025	,023	,005	,180	,230	,070	,350	,033	,034	,003	,33				
196771	,090	,930	,200	,019	,024	,004	,150	,260	,073	,440	,031	,024	,003	,34				
196772	,102	,930	,230	,016	,026	,004	,130	,230	,059	,380	,031	,023	,003	,34				
196773	,091	,920	,210	,017	,024	,004	,140	,250	,059	,370	,032	,023	,004	,33				
196774	,074	1,040	,210	,015	,023	,009	,250	,220	,066	,300	,040	,018	,002	,35				
196775	,070	,950	,220	,029	,026	,004	,150	,210	,066	,390	,032	,022	,004	,31				
196801	,091	,920	,190	,026	,018	,005	,160	,230	,059	,380	,033	,030	,003	,33				



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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
196803	,074	,920	,200	,020	,019	,005	,190	,260	,082	,400	,033	,038	,004	,33				
196845	,067	,930	,190	,018	,025	,006	,140	,230	,060	,340	,034	,026	,004	,30				
196846	,067	,970	,200	,023	,024	,007	,160	,220	,065	,390	,036	,024	,003	,32				
196847	,093	,930	,190	,029	,022	,005	,170	,260	,065	,420	,031	,026	,003	,34				
196852	,077	,940	,190	,026	,020	,006	,210	,230	,054	,390	,038	,026	,004	,33				
196853	,080	,890	,210	,019	,021	,005	,130	,220	,044	,390	,033	,027	,005	,30				
196854	,104	,920	,230	,018	,024	,005	,130	,170	,042	,390	,036	,028	,004	,33				
196855	,130	1,010	,190	,031	,021	,007	,220	,160	,046	,380	,038	,023	,002	,39				
196856	,135	,950	,220	,028	,019	,006	,200	,180	,044	,360	,033	,027	,004	,38				
196857	,089	,900	,210	,024	,023	,005	,130	,210	,048	,370	,036	,027	,004	,31				
196858	,075	,890	,200	,024	,023	,005	,170	,240	,065	,410	,033	,026	,004	,31				
196859	,056	,890	,170	,023	,022	,005	,140	,230	,061	,400	,030	,025	,002	,29				
196866	,107	,950	,200	,022	,020	,004	,180	,210	,061	,440	,034	,026	,005	,36				
196867	,099	,940	,210	,018	,026	,005	,160	,190	,066	,400	,037	,027	,003	,34				
196878	,069	,920	,190	,022	,021	,005	,150	,210	,047	,380	,034	,028	,004	,30				
196879	,070	,920	,180	,020	,021	,005	,140	,210	,045	,370	,033	,027	,003	,30				
196884	,092	,940	,230	,021	,023	,005	,150	,200	,043	,370	,036	,027	,005	,33				
196891	,102	,890	,180	,019	,021	,004	,120	,260	,059	,430	,032	,024	,003	,33				
196892	,098	,910	,170	,020	,024	,005	,130	,230	,050	,390	,037	,027	,002	,33				
196908	,107	,900	,200	,023	,020	,005	,160	,170	,037	,440	,030	,025	,003	,34				
196909	,116	,930	,200	,023	,022	,006	,180	,170	,037	,410	,035	,030	,013	,35				
196911	,081	,980	,190	,023	,019	,007	,200	,170	,033	,500	,034	,025	,003	,34				
196912	,078	,930	,210	,023	,021	,006	,140	,210	,041	,450	,038	,028	,005	,31				
196917	,086	,960	,200	,018	,019	,005	,120	,200	,040	,390	,036	,026	,004	,32				
196921	,071	,970	,210	,021	,023	,005	,100	,160	,048	,400	,035	,031	,003	,30				
196931	,080	,940	,190	,019	,021	,006	,130	,220	,050	,390	,035	,033	,002	,31				
196939	,065	,930	,190	,017	,022	,006	,090	,200	,045	,410	,034	,021	,003	,29				
196945	,088	,940	,210	,017	,026	,005	,080	,190	,046	,440	,036	,029	,004	,31				
196946	,085	,920	,200	,017	,025	,004	,090	,190	,044	,380	,035	,027	,004	,30				
196957	,063	,990	,200	,017	,029	,006	,170	,240	,055	,350	,038	,026	,002	,31				
196967	,071	,900	,180	,021	,020	,005	,090	,180	,037	,340	,033	,029	,002	,28				
196970	,082	,900	,200	,032	,019	,005	,130	,210	,055	,330	,032	,024	,004	,31				
196972	,078	,950	,190	,023	,020	,005	,090	,190	,046	,330	,034	,025	,004	,30				
196974	,105	,930	,210	,023	,021	,005	,130	,190	,048	,330	,044	,030	,006	,33				
196977	,096	,890	,190	,020	,020	,005	,150	,190	,049	,310	,033	,024	,005	,32				
196987	,071	,940	,190	,015	,024	,005	,070	,200	,045	,330	,035	,022	,001	,29				
196992	,067	,920	,190	,015	,024	,004	,090	,220	,040	,350	,032	,030	,004	,29				
196993	,076	,960	,190	,016	,025	,005	,100	,210	,037	,360	,034	,032	,004	,30				
196994	,113	,870	,200	,014	,024	,006	,090	,190	,048	,370	,038	,024	,001	,32				
196995	,101	,940	,220	,015	,021	,005	,120	,220	,050	,360	,036	,023	,002	,33				
196997	,078	,970	,200	,021	,020	,005	,180	,190	,048	,360	,036	,023	,002	,32				
196999	,091	1,110	,200	,024	,017	,007	,260	,140	,048	,380	,041	,023	,001	,37				
197002	,118	,900	,160	,020	,019	,005	,170	,160	,034	,310	,035	,022	,003	,34				
197004	,079	,900	,190	,022	,019	,005	,150	,180	,050	,320	,032	,024	,004	,30				
197018	,074	,910	,180	,023	,023	,004	,160	,150	,045	,390	,030	,023	,002	,30				
197036	,067	1,000	,200	,018	,027	,005	,150	,200	,054	,340	,042	,024	,005	,31				
197037	,071	,950	,210	,018	,026	,005	,140	,190	,043	,350	,038	,026	,004	,30				
197038	,083	,920	,220	,016	,020	,005	,130	,180	,040	,360	,035	,026	,003	,31				





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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
<i>B08</i>																		
197057	,062	,850	,190	,026	,026	,005	,160	,250	,057	,370	,033	,028	,003	,29				
197059	,073	,950	,160	,019	,031	,006	,150	,180	,038	,420	,034	,039	,003	,31				
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						A% L0=8"										
		ReH MPa		Rm MPa														
<i>B11</i>	<i>B08</i>	<i>C11</i>		<i>C12</i>		<i>C13</i>												
W-10x12	196237	447	431	564	560	22,7	21,9											
W-10x12	196238	450	442	542	540	22,5	21,7											
W-10x12	196239	437	423	557	551	22,4	22,											
W-10x12	196240	435	431	526	522	22,4	22,2											
W-10x15	196246	420	420	546	542	23,3	22,9											
W-10x15	196247	413	411	550	550	23,5	22,8											
W-10x15	196248	443	437	542	524	22,6	22,4											
W-10x15	196274	419	419	536	514	22,8	22,4											
W-10x15	196275	434	418	537	517	22,8	22,7											
W-10x17	196236	443	425	575	549	22,5	22,2											
W-10x17	196709	457	441	581	576	23,7	22,9											
W-10x19	196226	417	411	520	505	22,8	22,6											
W-10x19	196227	422	418	546	538	23,	22,3											
W-10x19	196228	408	396	505	502	22,8	22,1											
W-10x19	196229	436	420	523	511	23,	22,4											
W-10x19	196706	405	402	567	546	22,9	22,4											
W-10x26	196743	430	416	546	537	24,2	23,6											
W-10x26	196744	421	413	515	501	23,5	23,5											
W-10x26	196745	407	405	521	513	23,3	23,											
W-10x26	196746	431	414	549	537	23,8	23,3											
W-10x26	196747	423	415	548	541	23,6	23,5											
W-10x30	196738	401	391	502	498	24,3	24,											
W-10x30	196739	406	388	515	493	24,8	24,6											
W-10x30	196740	413	410	530	521	25,3	24,6											
W-10x49	197057	397	390	516	494	24,5	23,9											
W-10x49	197059	394	384	493	489	24,5	23,8											
W-12x14	194919	450	444	548	536	22,2	22,											
W-12x22	196157	418	404	530	514	22,8	22,6											
W-12x26	196063	444	428	562	554	23,5	22,7											
W-12x26	196725	429	425	546	538	23,5	23,4											
W-12x26	196772	432	414	542	538	24,1	24,											
W-12x30	194811	400	400	507	501	23,2	22,9											
W-12x30	196208	425	425	547	527	24,8	24,2											
W-12x30	196722	424	414	553	545	24,	23,2											
W-12x40	196768	415	410	560	553	23,6	23,4											
W-12x40	196771	419	415	553	535	23,2	22,7											
W-12x40	196773	413	406	550	537	23,4	23,2											
W-12x40	196774	405	395	533	515	23,2	23,1											
W-12x40	196775	411	407	532	528	23,3	23,											
W-12x45	196763	404	395	536	520	24,5	24,1											
W-12x45	196764	409	403	540	524	24,6	24,											
W-12x45	196765	406	406	536	514	24,5	23,6											



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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-12x45	196766	416	406	549	533	24,4	23,6
W-12x72	196801	419	403	523	515	25,8	25,1
W-12x72	196803	409	395	522	509	26,	25,4
W-12x79	196091	410	402	527	503	25,9	26,3
W-12x79	196103	408	400	514	509	26,1	25,8
W-14x22	196360	450	449	602	576	25,	24,
W-14x22	196361	450	448	558	552	24,8	24,3
W-14x22	196362	449	449	563	543	24,4	23,8
W-14x22	196364	442	438	555	544	25,	24,2
W-14x22	196365	442	424	549	537	24,5	23,8
W-14x30	196344	414	408	515	511	25,3	25,
W-14x30	196345	416	412	519	512	24,2	23,2
W-14x30	196346	436	433	537	530	23,9	23,6
W-14x30	196347	425	423	526	520	23,9	23,4
W-14x30	196348	442	430	544	535	24,3	24,
W-14x34	196327	409	405	534	524	24,3	23,4
W-14x34	196328	423	407	533	523	23,9	23,2
W-14x38	196324	417	411	524	522	24,	24,
W-14x43	195939	406	400	524	524	25,2	25,
W-14x43	195941	409	407	531	523	25,3	24,4
W-14x43	195945	409	407	536	533	25,1	24,8
W-14x43	195956	407	395	540	538	25,1	25,1
W-14x43	195957	424	422	536	528	24,9	24,4
W-14x53	197036	374	369	497	484	23,8	23,6
W-14x53	197037	377	374	498	486	24,2	23,3
W-14x53	197038	394	392	516	500	24,	23,6
W-16x26	196891	449	440	553	532	22,6	22,1
W-16x26	196892	454	444	554	534	22,6	22,4
W-16x26	196908	448	450	546	526	22,8	22,1
W-16x26	196909	454	436	542	521	22,6	22,2
W-16x26	196911	457	442	544	527	22,6	21,9
W-16x26	196912	451	439	547	545	22,6	22,2
W-16x36	195981	435	419	544	524	25,1	24,2
W-16x36	195982	429	411	533	527	25,	24,2
W-16x36	195983	419	411	533	509	25,5	24,7
W-16x36	195984	434	427	541	535	24,7	24,3
W-16x36	195985	424	416	536	518	24,8	24,2
W-16x40	195221	391	387	506	498	25,8	25,3
W-16x40	195967	411	405	548	524	24,6	23,7
W-16x45	195967	399	391	509	507	24,7	24,3
W-16x45	197018	401	389	505	502	24,5	24,5
W-16x67	195926	406	401	506	487	25,6	24,8
W-18x35	195929	410	394	506	488	23,9	23,3
W-18x35	195930	421	419	516	508	25,5	24,8
W-18x40	195181	408	406	517	514	24,4	23,9
W-18x40	195890	424	418	547	531	24,1	24,
W-18x46	193971	388	376	501	481	26,2	25,9
W-18x46	195886	412	410	533	513	25,	24,2



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		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-18x46	196957	413	402	524	520	26,1	25,2
W-18x55	195323	420	404	515	509	25,7	25,4
W-18x55	195324	404	400	516	506	25,2	25,1
W-18x55	195982	411	407	515	515	23,8	23,4
W-18x65	195975	397	413	509	511	24,7	25,7
W-18x76	196967	389	384	495	523	23,6	24,8
W-18x76	196970	394	389	522	516	25,3	24,7
W-18x76	196972	393	377	510	488	24,7	24,
W-18x76	196974	402	387	507	507	24,1	23,5
W-18x76	196977	405	410	520	526	23,6	25,4
W-18x76	196987	388	376	491	487	26,1	25,3
W-21x44	195843	444	426	540	527	23,9	23,2
W-21x44	196992	418	406	522	500	23,4	23,
W-21x44	196993	435	433	541	525	23,6	22,8
W-21x44	196994	422	418	549	527	23,9	23,4
W-21x44	196995	431	424	539	533	23,2	22,7
W-21x44	196997	437	435	568	554	23,6	23,1
W-21x44	196999	434	424	542	530	25,5	24,8
W-21x50	197002	407	407	536	518	24,7	24,1
W-21x50	197004	416	401	517	496	24,1	23,3
W-21x57	196945	412	398	507	495	24,4	24,1
W-21x57	196946	419	413	518	518	24,5	23,6
W-21x68	196911	396	388	512	490	23,6	23,6
W-21x68	196912	402	384	513	504	24,3	23,9
W-21x83	196089	402	389	515	504	24,4	23,9
W-21x83	196931	407	405	521	513	25,3	25,1
W-21x93	193803	386	382	488	493	27,6	27,6
W-21x93	193804	388	379	491	479	27,6	27,6
W-24x55	196845	408	396	514	500	24,4	24,2
W-24x55	196846	421	415	529	511	24,5	24,1
W-24x55	196847	421	416	536	532	24,8	24,4
W-24x55	196852	406	398	506	502	24,7	24,3
W-24x55	196853	404	400	509	493	23,6	23,5
W-24x55	196854	438	432	569	560	24,	23,5
W-24x55	196855	420	420	555	541	24,4	23,6
W-24x55	196856	413	409	516	513	24,1	24,
W-24x55	196857	421	417	529	519	23,9	23,4
W-24x55	196858	399	387	506	496	24,4	24,
W-24x55	196859	409	393	502	500	24,6	23,7
W-24x62	196939	425	409	521	517	25,2	25,1
W-24x68	196878	410	400	510	504	24,7	24,2
W-24x68	196879	397	387	503	481	24,8	24,
W-24x68	196884	407	393	522	508	24,7	24,2
W-24x68	196917	408	400	528	508	24,8	24,3
W-24x68	196921	397	395	521	507	24,5	24,1
W-24x76	196853	381	381	497	497	25,1	25,1
W-24x76	196854	395	379	515	503	24,9	24,1
W-24x76	196855	422	418	577	553	25,6	24,6

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



ER-0036/1992



## MILL TEST CERTIFICATE

OLA P-68095

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-24x76	196856	407	396	534	522	25,1	24,8
W-24x76	196859	404	395	503	495	25,3	24,6
W-24x94	196866	423	409	548	534	25,6	24,7
W-24x94	196867	403	387	527	513	25,4	25,1
W-6x20	194703	427	427	515	512	32,3	31,1
W-6x20	196250	398	386	503	487	24,	23,1
W-6x20	196672	402	398	526	523	25,2	25,1
W-8x18	196398	433	423	555	546	23,6	23,4
W-8x18	196399	421	405	553	537	23,8	23,8
W-8x18	196463	447	436	549	539	24,6	24,2
W-8x21	196386	430	420	537	535	23,9	23,1
W-8x21	196387	434	432	586	564	23,6	22,8
W-8x21	196388	425	407	553	548	24,3	23,7
W-8x31	195344	451	437	562	554	23,7	23,1
W-8x31	195345	437	423	546	544	23,5	22,8
W-8x48	196671	392	384	509	497	24,8	23,9
W-8x48	196672	398	386	524	510	24,8	24,1
W-8x48	196673	374	370	494	480	24,8	24,4

## 146 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

Jose Maria Galindo

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417

20212 OLABERRIA (Gipuzkoa)

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ER-0036/1992



## MILL TEST CERTIFICATE

BER P-38197

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	PARIS TRADER
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-61649/1700029477	29523	22/04/2020

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 6x8,5	40´	4	27	108	4164	16.656	596238
WF BEAMS 6x8,5	40´	25	27	675	4164	104.100	596241
WF BEAMS 6x8,5	40´	29	27	783	4164	120.756	596243
WF BEAMS 6x8,5	40´	2	27	54	4164	8.328	596270
WF BEAMS 8x10	40´	18	18	324	3266	58.788	596234
WF BEAMS 8x10	40´	1	12	12	2177	2.177	596228
WF BEAMS 8x13	40´	1	18	18	4236	4.236	595651
WF BEAMS 8x13	40´	8	18	144	4236	33.888	595654
WF BEAMS 8x13	40´	6	18	108	4236	25.416	596221
WF BEAMS 8x15	40´	4	18	72	4898	19.592	595644
WF BEAMS 8x15	40´	4	18	72	4898	19.592	596218
WF BEAMS 8x15	40´	1	18	18	4898	4.898	596318

TOTAL BUNDLES

103

TOTAL WEIGHT

418.427 Kg.

A02 EN 10204/3.1

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

BERP38197 (B01/B02/B03) A03



ER-0036/1992



## MILL TEST CERTIFICATE

BER P-38197

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
<i>B06</i>																		
595644	,067	,960	,200	,018	,023	,005	,120	,240	,048	,480	,034	,022	,002	,31				
595651	,077	,890	,190	,019	,022	,003	,130	,170	,038	,350	,033	,025	,002	,29				
595654	,065	,980	,170	,019	,020	,004	,090	,160	,024	,550	,031	,027	,003	,30				
596218	,078	,950	,190	,018	,025	,004	,100	,240	,036	,410	,033	,023	,001	,31				
596221	,070	,970	,220	,018	,027	,005	,110	,200	,042	,380	,036	,020	,003	,30				
596228	,071	1,000	,210	,020	,021	,006	,170	,190	,035	,350	,033	,023	,004	,32				
596234	,083	,950	,190	,021	,021	,005	,130	,210	,036	,380	,031	,032	,004	,31				
596238	,077	,970	,220	,021	,024	,005	,120	,190	,043	,410	,037	,023	,002	,31				
596241	,082	,910	,210	,020	,022	,004	,110	,210	,040	,400	,033	,023	,003	,31				
596243	,083	,950	,240	,023	,026	,004	,120	,230	,045	,430	,034	,024	,005	,32				
596270	,071	1,010	,210	,021	,020	,005	,150	,190	,045	,380	,034	,023	,004	,32				
596318	,090	,900	,200	,021	,020	,005	,150	,200	,041	,400	,031	,026	,003	,32				
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						ReH MPa		Rm MPa		A% LO=2"						
		C11		C12		C13												
<i>B11</i>	<i>B06</i>																	
W-6x8,5	596238	447	441	552	534	27,5	26,7											
W-6x8,5	596241	456	449	567	552	28,6	27,5											
W-6x8,5	596243	458	441	545	529	28,4	28,											
W-6x8,5	596270	450	450	563	552	24,6	24,1											
W-8x10	596228	450	450	556	552	30,8	30,											
W-8x10	596234	457	441	537	528	32,8	32,1											
W-8x13	595651	435	421	519	510	32,5	31,7											
W-8x13	595654	448	430	533	517	31,7	31,2											
W-8x13	596221	445	438	537	522	29,9	29,4											
W-8x15	595644	444	442	576	564	30,1	29,8											
W-8x15	596218	418	422	521	523	28,3	28,9											
W-8x15	596318	443	434	543	537	27,8	26,9											

## 12 análisis

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

B06: Marca AMB

Responsable del Departamento de Calidad Z01

Jose Maria Galindo