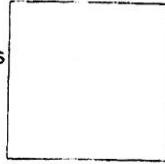


A01

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



ArcelorMittal

**MILL TEST CERTIFICATE****OLA P-43329**

DISCHARGE ADDRESS		CUSTOMER	
Fortacero S.A. De C.V. Blvd Carlos Salinas deGortari KM8.8 Apodaca MEXICO		FORTACERO S.A. DE C.V. BLVD CARLOS SALINAS DEGORTARI KM8.8 APODACA MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELOMITTAL 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-49971 / 1700019877	4500120203	31/01/2015

Material: WF Vigas,

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

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

Declara que, salvo indicación en sentido contrario, estos  
 productos gozan de un origen preferencial ESPAÑA

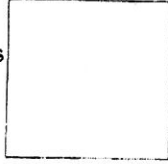
SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
<b>+YELLOW</b>							
WF BEAMS 18x60	40'	20	4	80	4354	87.080	155812,155813,155815, 155816,155817
WF BEAMS 16x31	40'	20	7	140	3937	78.740	155886,155887,155888, 155889,155890
WF BEAMS 21x44	40'	10	6	60	4790	47.900	156006,156007,156008, 156009,156010,156022, 156023,156024,156025, 156026,156027,156028, 156029
WF BEAMS 21x68	40'	20	4	80	4935	98.700	153106,153957,156042, 156043,156044,156045, 156046,156047,156048
WF BEAMS 24x68	40'	57	4	228	4935	281.295	155897,155898,155899, 155900,155901,155902, 155903,155904,155905, 155906,155907,155908, 155960,155961,155962, 155963,155964,156082
WF BEAMS 24x76	40'	26	3	78	4137	107.562	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

TOTAL BUNDLES 160

TOTAL WEIGHT 733.281 Kg.

401

ArcelorMittal Gipuzkoa, S.L.U.  
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20212 OLABERRIA (Gipuzkoa)  
TELEF. (943) 80.50.00 - FAX (943) 88.04.04



ArcelorMittal

**MILL TEST CERTIFICATE**

**OLA P-43329**

A02 EN 10204/3.1

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

(B01/B02/B03) AG3

# MILL TEST CERTIFICATE

OLA P-43329

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																						
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV									
153106	.084	.710	.200	.024	.020	.044	.150	.280	.050	.430	.003	.023	.003	.30									
153886	.098	.720	.180	.018	.019	.045	.120	.180	.028	.310	.003	.030	.002	.29									
153957	.076	.760	.190	.018	.022	.042	.140	.210	.033	.300	.003	.025	.001	.28									
154862	.086	.790	.160	.018	.019	.047	.110	.160	.031	.360	.003	.021	.002	.29									
154893	.098	.750	.170	.028	.020	.049	.120	.160	.035	.350	.003	.026	.002	.30									
154894	.116	.740	.180	.031	.019	.049	.200	.160	.036	.370	.003	.025	.002	.33									
154895	.088	.760	.190	.019	.021	.047	.180	.160	.045	.340	.003	.021	.002	.30									
155812	.081	.730	.200	.023	.019	.045	.170	.200	.044	.380	.003	.027	.003	.29									
155813	.107	.720	.210	.025	.018	.043	.140	.230	.056	.410	.003	.030	.003	.32									
155815	.090	.770	.180	.022	.020	.049	.140	.200	.046	.420	.003	.029	.001	.31									
155816	.088	.790	.200	.021	.022	.047	.160	.200	.046	.420	.003	.029	.002	.31									
155817	.106	.790	.200	.018	.019	.044	.150	.200	.043	.370	.003	.025	.002	.32									
155886	.101	.730	.200	.021	.021	.047	.200	.250	.050	.440	.003	.028	.002	.33									
155887	.098	.730	.190	.028	.021	.048	.260	.190	.040	.440	.003	.027	.003	.33									
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									
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									
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									
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									

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 TELEF. (943) 80.50.00 · FAX (943) 88 04.04



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**MILL TEST CERTIFICATE**

**OLA P-43329**

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV	
155994	.096	.730	.170	.019	.024	.044	.100	.200	.035	.410	.003	.032	.001	.29	
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	
156042	.093	.700	.200	.018	.019	.044	.130	.160	.033	.440	.003	.027	.003	.29	
156043	.103	.740	.180	.016	.024	.044	.110	.170	.035	.400	.003	.029	.001	.30	
156044	.091	.700	.180	.023	.024	.050	.160	.170	.040	.410	.003	.031	.001	.30	
156045	.107	.740	.190	.027	.020	.050	.140	.150	.032	.420	.003	.038	.001	.31	
156046	.112	.740	.190	.020	.019	.048	.160	.150	.030	.390	.003	.037	.001	.32	
156047	.103	.730	.180	.014	.021	.054	.150	.150	.031	.420	.003	.032	.003	.31	
156048	.089	.760	.190	.022	.021	.053	.180	.150	.034	.440	.003	.033	.001	.31	
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% LO=8"	
Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
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-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-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

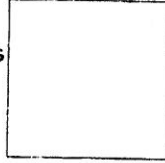
## MILL TEST CERTIFICATE

OLA P-43329

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
W-21x44	156029	437	420	564	542	22,5	21,7
W-21x68	153106	412	396	511	502	22,9	23,6
W-21x68	153957	375	369	493	483	24,	23,9
W-21x68	156042	406	396	516	508	23,5	23,1
W-21x68	156043	398	390	523	506	25,7	25,6
W-21x68	156044	411	411	536	526	22,5	22,3
W-21x68	156045	411	400	534	527	24,6	24,1
W-21x68	156046	409	408	525	525	22,4	21,9
W-21x68	156047	419	405	532	510	23,4	23,
W-21x68	156048	401	401	522	508	24,6	23,8
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
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	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

401

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ArcelorMittal

## MILL TEST CERTIFICATE

**OLA P-43329**

**70 análisis**  
001: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación  
905 Marca AMD

Responsable del Departamento de Calidad 701

Lorenzo Zabala