

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



MILL TEST CERTIFICATE

OLA P-34281

DISCHARGE ADDRESS		CUSTOMER	
Abinsa S.A.de C.V. Ave. Adolfo Lopez Mateos K.M. 6.5 San Nicolas de Los Garza MEXICO		Abinsa S.A.de C.V. Ave. Adolfo Lopez Mateos K.M. 6.5 San Nicolas de Los Garza 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
		TAMPICO	AMAZONEBORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	01-E-43368 / 17Q0015907	MEZCLA-Q1/13	31/01/2013

Material: WF Vigas,

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

ARCELORMITTAL GIPUZKOA, 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/YELLOW							
WF BEAMS 8x18	40'	9	14	126	4573	41.157	142632,142633
WF BEAMS 8x21	40'	7	12	84	4572	32.004	142384,142625
WF BEAMS 8x31	40'	2	8	16	4499	8.998	142744,142746
WF BEAMS 10x22	40'	15	12	180	4790	71.850	142523,142904,142905
WF BEAMS 10x26	40'	11	10	110	4717	51.887	142897,142898
WF BEAMS 10x30	40'	11	8	88	4355	47.905	142353,142354,142362, 142896
WF BEAMS 14x43	40'	6	6	36	4681	28.086	142761,142763
WF BEAMS 16x26	40'	14	6	84	2830	39.620	142314,142317,142325, 142326,142710,142711
WF BEAMS 16x36	40'	18	5	90	3266	58.788	142695,142696
WF BEAMS 16x50	40'	7	5	35	4536	31.752	142308,142687
WF BEAMS 16x57	40'	2	5	10	5171	10.342	142696
WF BEAMS 18x50	40'	11	4	44	3629	39.919	142862,142863
WF BEAMS 18x60	40'	7	4	28	4354	30.478	142855,142859
WF BEAMS 18x65	40'	6	4	24	4717	28.302	142857,142858
WF BEAMS 21x44	40'	5	5	25	3992	19.960	142651,142652
WF BEAMS 21x50	40'	4	5	20	4536	18.144	142700
WF BEAMS 21x57	40'	2	5	10	5171	10.342	142701

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 21x62	40'	4	4	16	4500	18.000	142757
WF BEAMS 21x68	40'	4	4	16	4935	19.740	142730,142736
WF BEAMS 21x83	40'	4	3	12	4518	18.072	142741,142742
WF BEAMS 24x55	40'	6	5	30	4990	29.940	142642
WF BEAMS 24x62	40'	4	4	16	4500	18.000	142645,142647
WF BEAMS 24x68	40'	19	3	57	3701	70.319	142627,142641,142650,142651
WF BEAMS 24x76	40'	9	3	27	4137	37.233	142138,142141,142142,142646
WF BEAMS 24x84	40'	11	3	33	4572	50.292	142616,142617,142618,142620,142621
WF BEAMS 24x94	40'	14	3	42	5117	71.638	142223,142625,142626
WF BEAMS 16x31	40'	18	6	108	3375	60.750	142702,142703,142704

TOTAL BUNDLES **230** TOTAL WEIGHT **963.518 Kg.**

A02 EN 10204/3.1		CSA G40.21 50W/ASTM A572 G50/A992/A6												(B01/B02/B03) A03			
COLADA HEAT	COMPOSICION QUIMICA (%)													CHEMICAL COMPOSITION (%)			
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
142138	.111	1.030	.190	.017	.017	.032	.180	.130	.031	.400	.003	.037	.37				
142141	.105	1.020	.170	.020	.015	.035	.170	.140	.025	.500	.003	.036	.36				
142142	.110	1.080	.170	.024	.012	.040	.180	.130	.020	.530	.003	.035	.38				
142223	.108	1.220	.200	.016	.007	.040	.150	.190	.046	.500	.003	.029	.40				
142308	.074	1.050	.160	.021	.020	.041	.120	.220	.049	.400	.003	.031	.33				
142314	.083	1.030	.190	.021	.014	.036	.120	.190	.033	.390	.003	.034	.33				
142317	.082	1.010	.210	.019	.015	.035	.120	.210	.042	.430	.003	.039	.33				
142325	.117	1.030	.190	.024	.015	.040	.190	.210	.046	.400	.003	.032	.38				
142326	.095	.980	.170	.021	.015	.036	.180	.220	.039	.360	.003	.040	.35				
142353	.076	1.020	.180	.023	.017	.038	.150	.250	.047	.480	.003	.030	.34				
142354	.088	1.010	.180	.019	.019	.043	.150	.310	.049	.460	.005	.033	.35				
142362	.082	.970	.190	.022	.018	.032	.180	.210	.044	.390	.003	.046	.33				
142384	.107	1.030	.180	.023	.013	.039	.140	.190	.043	.410	.003	.041	.36				
142523	.092	1.050	.200	.023	.024	.035	.160	.230	.036	.510	.010	.024	.36				
142616	.096	1.050	.190	.023	.010	.034	.100	.180	.034	.460	.003	.031	.35				
142617	.093	1.010	.190	.020	.013	.033	.090	.160	.030	.390	.003	.021	.33				
142618	.076	1.010	.180	.026	.014	.032	.100	.180	.032	.370	.003	.031	.31				
142620	.074	1.020	.190	.031	.014	.036	.140	.200	.029	.410	.003	.035	.33				
142621	.079	1.040	.180	.017	.021	.038	.100	.170	.031	.340	.003	.040	.32				
142625	.095	1.010	.190	.024	.020	.036	.150	.240	.042	.440	.003	.043	.35				
142626	.087	1.040	.190	.026	.023	.037	.160	.220	.033	.480	.003	.052	.35				
142627	.098	1.020	.170	.023	.018	.037	.170	.240	.035	.440	.003	.047	.36				
142632	.102	1.010	.180	.021	.019	.033	.130	.170	.031	.320	.003	.033	.34				
142633	.084	1.000	.200	.025	.017	.033	.160	.160	.033	.380	.003	.042	.33				
142641	.096	1.010	.170	.025	.018	.033	.140	.170	.032	.330	.003	.047	.34				
142642	.084	1.050	.160	.017	.019	.037	.140	.230	.043	.390	.003	.045	.34				
142645	.076	1.030	.190	.039	.011	.036	.200	.190	.029	.450	.003	.042	.34				

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
<small>D11</small>	<small>D01</small>	<small>C11</small>	<small>C12</small>	<small>C12</small>	<small>C12</small>	<small>C13</small>	<small>C13</small>
W-14x43	142761	382	378	508	487	22,7	22,3
W-14x43	142763	368	370	491	493	22,8	22,
W-16x26	142314	410	400	511	507	24,1	24,
W-16x26	142317	439	427	565	551	23,9	23,2
W-16x26	142325	437	431	551	530	22,6	22,1
W-16x26	142326	444	439	579	574	22,4	22,
W-16x26	142710	420	411	528	514	23,	22,8
W-16x26	142711	417	409	522	512	24,3	23,5
W-16x31	142702	409	395	526	508	24,2	23,8
W-16x31	142703	388	379	509	498	23,5	23,1
W-16x31	142704	393	386	513	503	25,2	24,6
W-16x36	142695	410	398	521	509	23,1	22,2
W-16x36	142696	407	405	532	520	25,	24,9
W-16x50	142308	379	365	494	491	22,7	22,5
W-16x50	142687	380	374	508	488	22,7	22,1
W-16x57	142696	384	378	512	504	23,2	23,
W-18x50	142862	380	368	499	477	22,8	22,7
W-18x50	142863	379	378	505	487	27,4	27,
W-18x60	142855	393	391	511	503	22,7	22,2
W-18x60	142859	371	362	490	485	22,8	22,3
W-18x65	142857	406	390	529	517	24,9	24,
W-18x65	142858	380	378	501	497	23,7	23,2
W-21x44	142651	409	403	530	518	26,2	25,5
W-21x44	142652	391	389	521	509	22,8	22,1
W-21x50	142700	381	373	491	475	23,5	23,1
W-21x57	142701	372	366	499	491	28,4	27,5
W-21x62	142757	419	405	554	532	24,9	24,1
W-21x68	142730	430	422	577	576	22,6	22,1
W-21x68	142736	409	398	546	534	24,1	23,9
W-21x83	142741	371	369	495	492	22,3	22,2
W-21x83	142742	379	377	507	497	24,8	24,3
W-24x55	142642	384	373	510	496	22,8	22,2
W-24x62	142645	399	393	543	533	22,5	22,3
W-24x62	142647	420	404	544	530	23,	22,9
W-24x68	142627	399	383	529	513	23,	22,4
W-24x68	142641	387	381	510	502	28,8	27,8
W-24x68	142650	447	434	615	618	22,5	22,1
W-24x68	142651	394	392	519	497	23,	22,5
W-24x76	142138	408	400	546	534	24,6	23,8
W-24x76	142141	391	386	517	503	25,1	24,9
W-24x76	142142	380	385	507	513	22,3	22,3
W-24x76	142646	446	436	583	561	23,1	22,8
W-24x84	142616	361	357	502	496	23,5	23,3
W-24x84	142617	375	370	491	492	23,7	22,9
W-24x84	142618	380	364	502	488	23,1	22,6
W-24x84	142620	369	365	498	486	25,5	24,8
W-24x84	142621	386	374	521	503	22,9	22,1
W-24x94	142223	399	386	524	522	23,8	23,2