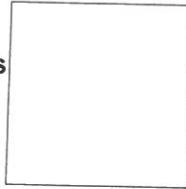


ArcelorMittal Gipuzkoa, S.L.U.
ArcelorMittal Europe - Long Products

CARRETERA MADRID - IRUN, KM. 419
 20212 OLABERRIA (Guipúzcoa)
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

OLA P-47821

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	THORCO CASSIOPELA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	01-E-53458 / 1700021701	22344	23/12/2015

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

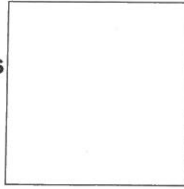
ARCELORMITTAL GUIPUZKOA, S.L.U. ES/20/0040/03

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 8x18	40'	6	16	96	5226	31.356	162438,162441,162442
WF BEAMS 8x21	40'	9	12	108	4572	41.148	162434
WF BEAMS 10x12	40'	10	22	220	4790	47.900	162414,162415,162416, 162418
WF BEAMS 10x15	40'	4	18	72	4898	19.592	162423
WF BEAMS 10x17	40'	4	16	64	4935	19.740	162425
WF BEAMS 10x19	40'	4	14	56	4827	19.308	162429,162431
WF BEAMS 10x22	40'	13	12	156	4790	62.270	162446,162447,162450, 162451,162452
WF BEAMS 12x16	40'	5	18	90	5225	26.125	162468,162469,162470, 162471
WF BEAMS 12x30	40'	14	8	112	4355	60.970	162496,162497,162498, 162499
WF BEAMS 12x40	40'	7	6	42	4355	30.485	162193,162194,162196, 162199
WF BEAMS 12x50	40'	11	4	44	3629	39.919	162189,162190,162191
WF BEAMS 14x26	40'	4	10	40	4717	18.868	162340,162342
WF BEAMS 14x30	40'	14	8	112	4355	60.970	162368,162369,162375, 162376,162377
WF BEAMS 14x38	40'	3	6	18	4137	12.411	162305
WF BEAMS 14x43	40'	6	6	36	4681	28.086	162215,162216,162217
WF BEAMS 14x48	40'	8	6	48	5225	41.800	160332,162210,162211
WF BEAMS 14x53	40'	5	4	20	3846	19.230	162205,162208
WF BEAMS 18x50	40'	13	5	65	4536	58.968	158623,162619,162623

A01

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MILL TEST CERTIFICATE

OLA P-47821

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 18x60	40'	9	4	36	4354	39.186	162616,162617
WF BEAMS 21x44	40'	13	6	78	4790	62.270	162236,162237,162238, 162239,162252,162253, 162255
WF BEAMS 21x50	40'	7	5	35	4536	31.752	162258,162259,162260, 162265,162272,162274, 162275,162277,162341
WF BEAMS 21x57	40'	6	5	30	5171	31.026	162287,162289,162290, 162291,162292
WF BEAMS 24x62	40'	1	4	4	4500	4.500	162150

TOTAL BUNDLES 176

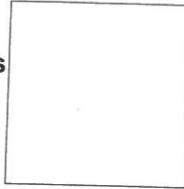
TOTAL WEIGHT 807.880 Kg.

A02 EN 10204/3.1

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

(B01/B02/B03) A03

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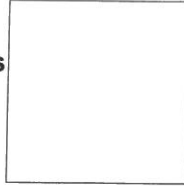
MILL TEST CERTIFICATE

OLA P-47821

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														CEV				
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV					
162416	,100	,730	,190	,022	,022	,042	,160	,170	,030	,400	,003	,028	,001	,31					
162418	,094	,710	,180	,023	,023	,043	,210	,180	,033	,440	,003	,027	,001	,31					
162423	,080	,750	,210	,019	,022	,046	,140	,200	,037	,340	,003	,021	,001	,29					
162425	,084	,750	,170	,018	,020	,050	,130	,240	,040	,350	,003	,023	,001	,29					
162429	,097	,700	,170	,020	,020	,045	,170	,220	,039	,350	,003	,024	,002	,30					
162431	,090	,730	,190	,023	,021	,046	,220	,220	,038	,360	,003	,020	,001	,31					
162434	,081	,770	,180	,022	,021	,046	,160	,160	,027	,390	,003	,024	,001	,29					
162438	,088	,880	,230	,033	,019	,049	,260	,160	,030	,370	,003	,026	,001	,34					
162441	,096	,820	,200	,021	,020	,049	,250	,200	,039	,320	,003	,023	,001	,33					
162442	,091	,810	,210	,022	,022	,047	,240	,200	,035	,330	,003	,020	,001	,33					
162446	,098	,730	,190	,025	,022	,046	,170	,220	,030	,330	,003	,024	,002	,31					
162447	,093	,730	,190	,025	,020	,047	,220	,210	,028	,330	,003	,025	,001	,31					
162450	,091	,730	,200	,016	,019	,045	,130	,180	,034	,270	,003	,025	,003	,28					
162451	,094	,720	,190	,017	,021	,043	,130	,170	,032	,290	,003	,023	,002	,29					
162452	,099	,790	,160	,019	,020	,049	,140	,260	,047	,290	,003	,019	,001	,31					
162468	,117	,760	,200	,026	,021	,049	,190	,150	,024	,370	,003	,021	,001	,33					
162469	,095	,710	,210	,028	,021	,045	,170	,150	,027	,370	,003	,024	,002	,30					
162470	,088	,710	,220	,027	,022	,041	,160	,150	,027	,370	,003	,028	,001	,29					
162471	,091	,710	,200	,019	,020	,042	,120	,250	,029	,330	,003	,022	,003	,29					
162496	,099	,740	,180	,019	,020	,043	,140	,200	,036	,370	,003	,032	,003	,30					
162497	,096	,730	,210	,021	,023	,044	,150	,180	,031	,350	,003	,029	,001	,30					
162498	,092	,710	,200	,026	,020	,045	,160	,160	,033	,320	,003	,031	,002	,29					
162499	,087	,710	,200	,028	,022	,045	,180	,190	,030	,330	,003	,022	,002	,29					
162616	,094	,700	,190	,022	,022	,044	,160	,140	,026	,320	,003	,020	,002	,29					
162617	,092	,710	,170	,022	,022	,045	,180	,180	,025	,320	,003	,021	,002	,29					
162619	,098	,730	,200	,018	,021	,045	,160	,160	,029	,320	,003	,019	,001	,30					
162623	,099	,730	,190	,024	,027	,044	,160	,160	,032	,300	,003	,019	,001	,30					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-10x12	162414	406	398	533	523	22,9	22,1
W-10x12	162415	417	407	554	538	22,2	22,
W-10x12	162416	426	408	536	534	22,8	22,5
W-10x12	162418	437	427	542	526	22,7	22,6
W-10x15	162423	411	403	532	514	22,9	22,3
W-10x17	162425	403	397	518	516	28,8	28,
W-10x19	162429	406	391	506	504	28,5	28,3
W-10x19	162431	390	405	520	528	28,3	26,
W-10x22	162446	387	379	518	508	22,3	22,2
W-10x22	162447	391	381	518	508	22,9	22,7
W-10x22	162450	372	366	502	482	26,	25,1
W-10x22	162451	379	371	508	491	22,2	21,6
W-10x22	162452	387	377	510	500	22,8	22,8
W-12x16	162468	421	413	557	558	22,4	22,1
W-12x16	162469	438	428	549	554	22,4	22,4
W-12x16	162470	407	391	542	527	22,3	21,9
W-12x16	162471	418	404	519	513	22,7	22,6

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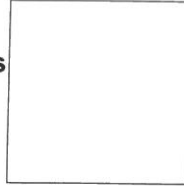


MILL TEST CERTIFICATE

OLA P-47821

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-12x30	162496	387	375	499	500	22,3	22,2
W-12x30	162497	380	364	502	482	22,3	22,4
W-12x30	162498	380	364	510	489	22,2	21,9
W-12x30	162499	376	366	507	486	23,9	23,3
W-12x40	162193	364	350	481	483	22,8	22,7
W-12x40	162194	389	376	512	501	23,	22,2
W-12x40	162196	393	379	499	489	25,2	24,6
W-12x40	162199	409	408	496	489	22,5	21,9
W-12x50	162189	392	400	542	540	24,5	24,9
W-12x50	162190	381	375	500	496	23,2	22,7
W-12x50	162191	379	373	506	488	22,8	22,3
W-14x26	162340	385	371	501	494	23,1	22,8
W-14x26	162342	392	380	508	499	23,7	22,9
W-14x30	162368	393	386	522	506	22,2	22,
W-14x30	162369	396	390	524	500	22,1	22,
W-14x30	162375	391	379	512	504	22,8	22,3
W-14x30	162376	393	389	513	499	22,6	22,4
W-14x30	162377	384	380	510	500	22,7	22,6
W-14x38	162305	371	364	493	495	23,2	24,4
W-14x43	162215	376	369	500	489	22,7	22,
W-14x43	162216	408	392	503	498	22,9	22,2
W-14x43	162217	374	364	492	478	22,4	22,3
W-14x48	160332	375	363	496	485	29,1	28,8
W-14x48	162210	378	380	498	491	22,1	22,2
W-14x48	162211	371	379	495	499	22,6	22,6
W-14x53	162205	374	359	483	479	24,1	23,9
W-14x53	162208	359	357	482	480	22,5	22,3
W-18x50	158623	401	389	535	513	23,1	22,7
W-18x50	162619	393	387	522	516	23,	22,9
W-18x50	162623	388	384	509	499	23,2	22,8
W-18x60	162616	385	377	485	474	24,6	23,9
W-18x60	162617	368	368	484	480	25,7	25,4
W-21x44	162236	383	368	501	489	22,2	22,
W-21x44	162237	384	374	517	507	22,1	22,
W-21x44	162238	413	407	523	511	22,2	21,8
W-21x44	162239	395	388	519	510	22,6	22,1
W-21x44	162252	405	391	503	496	24,5	23,9
W-21x44	162253	395	385	509	497	22,1	22,
W-21x44	162255	384	375	501	493	24,4	24,1
W-21x50	162258	377	373	504	492	22,9	22,2
W-21x50	162259	401	397	504	504	22,5	22,4
W-21x50	162260	384	374	504	497	24,3	24,1
W-21x50	162265	393	379	506	501	22,4	21,7
W-21x50	162272	412	404	518	511	23,1	22,5
W-21x50	162274	402	394	529	512	22,4	21,9
W-21x50	162275	424	415	526	519	22,4	21,9
W-21x50	162277	421	405	525	515	23,1	22,9
W-21x50	162341	395	384	491	490	22,8	22,2

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MILL TEST CERTIFICATE

OLA P-47821

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-21x57	162287	372	360	507	494	22,8	22,4
W-21x57	162289	400	392	520	500	22,7	22,3
W-21x57	162290	403	387	512	502	24,1	23,2
W-21x57	162291	400	388	520	507	25,4	24,9
W-21x57	162292	382	370	508	490	22,9	22,5
W-24x62	162150	395	390	502	486	23,6	23,5
W-8x18	162438	394	392	517	508	23,	22,8
W-8x18	162441	417	406	547	532	22,9	22,6
W-8x18	162442	446	438	560	559	22,3	22,1
W-8x21	162434	396	382	505	504	23,2	22,8

75 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