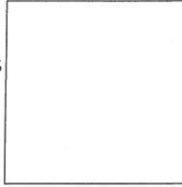


ArcelorMittal Gipuzkoa, S.L.U.
 ArcelorMittal Europe – Long Products
 CARRETERA MADRID - IRUN, KM. 419
 20212 OLABERRIA (Guipúzcoa)
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

OLA P-45022

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 LUNA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	01-E-50976 / 1700020437	20773	31/05/2015

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

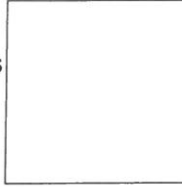
SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+/RED							
WF BEAMS 6x20	40'	3	14	42	5080	15.240	157977,158592,158593
WF BEAMS 6x25	40'	4	10	40	4535	18.140	157954,157955,158534, 158535
WF BEAMS 10x12	40'	6	22	132	4790	28.740	156432,157856,157857
WF BEAMS 10x15	40'	6	18	108	4898	29.388	157869
WF BEAMS 12x22	40'	6	12	72	4790	28.740	157949,157950,157951
WF BEAMS 12x50	40'	8	4	32	3629	29.032	154355,156865,157676, 157677
WF BEAMS 14x34	40'	6	8	48	4935	29.610	157746,157747,157748
WF BEAMS 18x65	40'	6	4	24	4717	28.302	158616
WF BEAMS 18x65	40'	1	1	1	1179	1.179	155809
WF BEAMS 18x76	40'	15	3	45	4137	62.055	158682,158683,158684, 158685
WF BEAMS 21x68	40'	6	4	24	4935	29.610	157636,157637
WF BEAMS 10x19	40'	6	14	84	4827	28.962	157882,157883

TOTAL BUNDLES 73 TOTAL WEIGHT 328.998 Kg.

A02 EN 10204/3.1

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

(B01/B02/B03) A03



MILL TEST CERTIFICATE

OLA P-45022

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														CEV				
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al						
B08																			
154355	,099	,690	,190	,016	,019	,044	,100	,140	,022	,370	,003	,019	,002	,28					
155809	,082	,720	,180	,024	,019	,042	,190	,210	,036	,450	,003	,030	,003	,30					
156432	,116	,730	,190	,016	,017	,044	,110	,160	,033	,430	,003	,030	,001	,31					
156865	,101	,750	,190	,018	,018	,046	,140	,160	,025	,380	,003	,025	,001	,30					
157636	,117	,720	,160	,017	,019	,043	,150	,170	,031	,330	,003	,029	,001	,32					
157637	,123	,750	,170	,027	,018	,045	,150	,190	,030	,400	,003	,025	,001	,33					
157676	,073	,830	,200	,027	,027	,049	,230	,190	,029	,410	,003	,030	,001	,31					
157677	,090	,730	,190	,020	,024	,049	,160	,210	,032	,360	,003	,026	,001	,30					
157746	,094	,710	,210	,017	,025	,045	,150	,190	,041	,380	,003	,022	,002	,30					
157747	,103	,730	,200	,018	,022	,047	,160	,160	,032	,320	,003	,022	,001	,30					
157748	,107	,720	,190	,017	,021	,043	,130	,150	,026	,360	,003	,023	,001	,30					
157856	,101	,750	,180	,022	,019	,047	,230	,230	,062	,300	,003	,033	,002	,33					
157857	,110	,720	,200	,018	,019	,043	,200	,200	,048	,320	,003	,021	,002	,32					
157869	,103	,730	,190	,024	,020	,046	,180	,160	,035	,390	,003	,030	,001	,31					
157882	,099	,730	,200	,016	,019	,043	,140	,220	,043	,300	,003	,030	,002	,30					
157883	,098	,730	,210	,015	,018	,045	,150	,250	,052	,270	,003	,027	,002	,30					
157949	,098	,760	,180	,024	,025	,046	,160	,150	,027	,380	,003	,026	,001	,31					
157950	,074	,760	,200	,020	,021	,042	,170	,150	,028	,380	,003	,023	,001	,28					
157951	,123	,730	,170	,024	,017	,041	,150	,160	,027	,320	,003	,030	,002	,32					
157954	,110	,650	,190	,015	,018	,046	,090	,160	,027	,330	,003	,030	,001	,28					
157955	,118	,710	,190	,016	,017	,045	,110	,160	,034	,310	,003	,032	,002	,31					
157977	,097	,710	,190	,019	,023	,043	,190	,190	,037	,450	,003	,030	,001	,31					
158534	,091	,730	,150	,021	,018	,043	,150	,140	,035	,410	,003	,033	,001	,29					
158535	,095	,760	,180	,030	,020	,042	,150	,150	,030	,480	,003	,033	,001	,31					
158592	,114	,760	,190	,018	,020	,046	,160	,220	,033	,330	,003	,035	,002	,33					
158593	,088	,790	,170	,017	,019	,045	,190	,210	,033	,430	,003	,030	,001	,32					
158682	,098	,730	,200	,018	,023	,047	,150	,220	,046	,300	,003	,025	,001	,30					
158683	,098	,720	,200	,017	,021	,043	,130	,200	,042	,280	,003	,025	,002	,29					
158684	,105	,690	,190	,017	,020	,044	,110	,180	,035	,330	,003	,025	,003	,29					
158685	,100	,730	,180	,015	,021	,044	,130	,200	,038	,290	,003	,025	,002	,30					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-10x12	156432	421	407	538	528	22,3	22,3
W-10x12	157856	436	436	561	547	22,6	22,4
W-10x12	157857	432	432	557	535	22,9	22,3
W-10x15	157869	438	421	547	533	22,6	22,2
W-10x19	157882	404	402	523	517	22,2	22,
W-10x19	157883	409	395	521	501	22,3	21,9
W-12x22	157949	404	396	517	513	22,8	22,7
W-12x22	157950	411	406	522	516	22,6	22,
W-12x22	157951	436	418	559	547	23,1	22,5
W-12x50	154355	375	373	504	495	22,9	22,2
W-12x50	156865	403	385	521	512	25,8	24,9
W-12x50	157676	408	396	523	507	22,5	21,9
W-12x50	157677	381	375	508	491	23,7	23,2
W-14x34	157746	401	385	506	498	23,	22,7

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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-14x34	157747	398	388	525	506	22,5	22,5
W-14x34	157748	382	374	514	496	22,6	22,4
W-18x65	155809	391	375	511	499	25,6	25,2
W-18x76	158682	393	382	516	506	23,7	23,2
W-18x76	158683	390	376	509	489	27,4	27,
W-18x76	158684	391	375	508	496	22,9	22,2
W-18x76	158685	407	393	508	503	23,4	22,8
W-21x68	157636	381	377	509	495	24,9	24,2
W-21x68	157637	413	408	551	531	22,5	21,9
W-6x20	157977	427	413	552	549	26,9	26,5
W-6x20	158592	400	400	549	535	23,1	22,8
W-6x20	158593	424	416	538	536	23,	22,9
W-6x25	157954	393	385	512	506	26,3	25,8
W-6x25	157955	381	393	489	499	25,8	26,3
W-6x25	158534	379	384	504	512	24,1	22,8
W-6x25	158535	393	377	514	503	23,1	25,3

30 análisis

DD1: 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