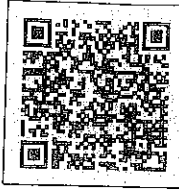


ArcelorMittal Gipuzkoa, S.L.U.

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-38094

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	ALAMOSBORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	01-E-45919 / 1700017422	16909	31/12/2013

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

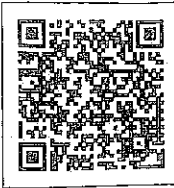
Declara que, salvo indicación en sentido contrario, estos
 productos gozan de un origen preferencial ESPAÑA

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+/RED							
WF BEAMS 21x44	40'	14	5	70	3992	55.888	145431,147465,147466, 147467,147469,147470, 147471
WF BEAMS 21x44	40'	1	4	4	3193	3.193	145818
WF BEAMS 24x94	40'	4	3	12	5117	20.468	147539
WF BEAMS 12x65	40'	6	4	24	4717	28.302	147690,147732,147734, 147736
WF BEAMS 12x72	40'	6	4	24	5225	31.350	147688,147689
WF BEAMS 12x79	40'	7	4	28	5734	40.138	147770,147771,147772

TOTAL BUNDLES **38**

TOTAL WEIGHT **179.339 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-38094

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
145431	,084	1,000	,180	,027	,014	,036	,200	,230	,037	,400	,003	,024	,004	,35
145818	,102	1,030	,190	,019	,019	,036	,160	,160	,020	,440	,003	,031	,003	,36
147465	,083	1,060	,180	,027	,018	,037	,180	,180	,034	,390	,003	,027	,002	,35
147466	,080	,990	,170	,023	,020	,038	,180	,180	,030	,380	,003	,027	,001	,33
147467	,103	1,250	,210	,022	,017	,037	,170	,190	,028	,430	,003	,027	,001	,40
147469	,092	1,000	,180	,023	,023	,039	,170	,180	,029	,400	,003	,027	,002	,34
147470	,105	1,010	,180	,028	,022	,038	,190	,180	,035	,440	,003	,029	,001	,37
147471	,091	1,040	,170	,022	,020	,040	,170	,190	,035	,410	,003	,024	,001	,35
147539	,084	1,050	,170	,020	,023	,041	,160	,220	,037	,370	,003	,033	,002	,35
147688	,089	,990	,190	,020	,020	,035	,090	,160	,032	,370	,003	,023	,003	,32
147689	,088	,960	,170	,022	,018	,037	,110	,150	,033	,320	,003	,025	,004	,32
147690	,090	,990	,180	,020	,020	,035	,100	,170	,035	,320	,003	,024	,003	,32
147732	,076	1,030	,180	,017	,018	,035	,150	,180	,029	,340	,003	,030	,003	,33
147734	,082	1,030	,180	,033	,020	,037	,230	,200	,029	,460	,003	,036	,003	,36
147736	,087	1,010	,190	,014	,017	,036	,150	,170	,025	,280	,003	,029	,004	,33
147770	,086	1,000	,190	,016	,020	,033	,110	,170	,034	,290	,003	,026	,002	,32
147771	,089	1,000	,190	,025	,023	,034	,120	,180	,029	,390	,003	,029	,002	,33
147772	,071	1,010	,170	,020	,023	,036	,110	,170	,026	,350	,003	,026	,003	,31

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11	C12	C12	C12	C13	C13
W-12x65	147690	376	370	502	482	26,4	26,3
W-12x65	147732	430	416	562	554	23,	22,2
W-12x65	147734	394	381	522	505	22,8	22,7
W-12x65	147736	365	350	493	493	25,6	25,
W-12x72	147688	381	373	506	486	26,5	26,4
W-12x72	147689	374	362	505	492	25,2	24,6
W-12x79	147770	373	368	487	484	23,5	23,2
W-12x79	147771	377	371	500	499	23,	22,5
W-12x79	147772	405	393	520	516	22,6	22,6
W-21x44	145431	389	385	522	502	26,	25,2
W-21x44	145818	444	444	602	576	22,8	22,6
W-21x44	147465	390	386	521	499	23,7	22,9
W-21x44	147466	396	390	515	493	24,7	24,4
W-21x44	147467	409	399	528	516	23,3	23,2
W-21x44	147469	403	391	524	501	25,4	24,8
W-21x44	147470	415	411	532	520	23,6	22,8
W-21x44	147471	413	395	528	508	23,3	22,6
W-24x94	147539	415	405	545	543	22,5	22,1

18 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