



MILL TEST CERTIFICATE

BER P-18762

DISCHARGE ADDRESS		CUSTOMER	
Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-0 Col. S. Francisco Chilpan, Tul MEXICO		Salzgitter Mannesmann Intern. GmbH SCHWANNSTRASSE, 12 DUESSELDORF ALEMANIA	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL BERGARA C/IBARRA, 6 20570 BERGARA (Guipúzcoa) TELEF. (943) 76.19.40 - FAX (943) 765243			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	SIGRUM BOLTEN
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	06-E-35216 / 1700013463	315/10465 - LOT 3	30/12/2011

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 8x10	40'	17	16	272	2903	49.351	314799,314811,314812
WF BEAMS 8x13	40'	12	14	168	3303	39.636	314663,314664
WF BEAMS 8x15	40'	10	14	140	3810	38.100	314706,314707,314708
TOTAL BUNDLES		39		TOTAL WEIGHT		127.087 Kg.	

A02 EN 10204/3.1

ASTM A36 - A572 G50/A6

(B01/B02/B03) A03

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)												
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV
314663	,119	,670	,166	,021	,024	,030	,097	,124	,024	,377	,000	,040	,29
314664	,117	,687	,141	,030	,018	,030	,121	,130	,026	,428	,000	,043	,30
314706	,129	,712	,179	,017	,034	,032	,123	,133	,043	,355	,000	,036	,32
314707	,127	,693	,173	,015	,027	,036	,138	,145	,038	,464	,000	,030	,33
314708	,126	,709	,194	,018	,030	,030	,120	,163	,032	,405	,000	,024	,32
314799	,136	,698	,166	,026	,019	,025	,172	,164	,056	,391	,000	,019	,34
314811	,131	,681	,179	,028	,025	,024	,155	,153	,037	,423	,001	,020	,33
314812	,122	,674	,169	,027	,024	,026	,156	,159	,033	,455	,001	,019	,32
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES											
		ReH MPa	Rm MPa	A% LO=2"									
W-8x10	314799	413	408	29,1									

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=2"	
B11	B06	C11		C12		C13	
W-8x10	314811	401	393	514	501	33,7	32,9
W-8x10	314812	412	400	519	500	35,2	34,9
W-8x13	314663	406	390	524	515	32,3	31,5
W-8x13	314664	400	393	524	515	30,5	29,8
W-8x15	314706	405	398	538	525	36,3	35,
W-8x15	314707	426	411	552	535	34,	33,9
W-8x15	314708	381	373	516	504	38,6	37,7

8 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.
 B06: Marca APB

Z01



Sebastián Jauregi