

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

BER P-19820

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 BERGARA C/IBARRA, 6 20570 BERGARA (Guipúzcoa) TELEF. (943) 76.19.40 - FAX (943) 765243			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	ASIABORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
AICORRALIZA	06-E-36184 / 1700014099	12164	31/05/2012

WIDE FLANGE BEAMS

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+RED							
WF BEAMS 6x9	40'	18	21	378	3428	61.704	313690,314266,321733, 321734,321735
WF BEAMS 6x12	40'	15	18	270	3919	58.785	321866,321867
WF BEAMS 6x16	40'	21	15	315	4354	91.434	321873,321874

TOTAL BUNDLES 54

TOTAL WEIGHT 211.923 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	
313690	.137	.668	.166	.008	.026	.027	.046	.124	.023	.392	.000	.032	.30	
321733	.117	.697	.160	.030	.017	.026	.143	.140	.026	.436	.000	.026	.31	
321734	.117	.705	.197	.023	.024	.030	.141	.156	.030	.463	.000	.028	.32	
321735	.117	.697	.171	.020	.017	.027	.152	.156	.032	.460	.000	.023	.32	
321866	.128	.691	.200	.010	.026	.027	.057	.138	.028	.381	.000	.027	.30	
321867	.128	.756	.177	.013	.021	.031	.076	.153	.028	.420	.000	.023	.32	
321873	.115	.704	.181	.021	.021	.028	.155	.132	.027	.480	.000	.026	.32	
321874	.125	.693	.179	.017	.027	.030	.175	.159	.034	.523	.000	.031	.33	

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa	Rm MPa	A% LO=2"			
W-6x12	321866	390	384	521	519	32,3	31,4
W-6x12	321867	404	397	549	528	28,7	27,9
W-6x16	321873	447	442	593	580	32,4	32,2
W-6x16	321874	447	438	592	598	32,5	32,1
W-6x9	313690	401	395	529	521	34,	32,9
W-6x9	321733	418	405	527	523	33,6	33,4
W-6x9	321734	395	389	524	513	34,6	34,3

A01

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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES				
		ReH MPa		Rm MPa		A% L0=2"
<small>B1</small>	<small>B6</small>	<small>C1</small>		<small>C2</small>		<small>C3</small>
W-6x9	321735	411	400	529	518	35,9 35,

8 análisis

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

Z01



Sebastián Jauregi