

ArcelorMittal Olaberria-Bergara
ArcelorMittal Europe – Long Products
 CARRETERA MADRID - IRUN, KM. 419
 20212 OLABERRIA (Gipuzkoa)
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

BER P-36676

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		PLESA ANAHUAC Y CIAS S.A. DE C.V. AV. VALLE DE LAS ALAMEDAS 66-0 COL. SAN FRANCISCO CHILPAN - T MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL BERGARA C/IBARRA, 6 20570 BERGARA (Gipuzkoa) TELEF. (943) 76.19.40 - FAX (943) 765243			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	ERASMUSGRACHT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-59156/1700028489	28499	25/07/2019

Material: "WF-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

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

ARCELORMITTAL OLABERRIA-BERGARA, S.L.U. ES/48/0021/03

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 6x9	40'	10	27	270	4408	44.080	409249
WF BEAMS 6x9	40'	8	27	216	4408	35.264	590585
WF BEAMS 6x9	40'	1	8	8	1306	1.306	590585
WF BEAMS 6x12	40'	13	21	273	4573	59.449	589859
WF BEAMS 6x12	40'	1	5	5	1089	1.089	589859
WF BEAMS 6x16	40'	14	15	210	4354	60.956	589850
WF BEAMS 8x10	40'	2	18	36	3266	6.532	590522
WF BEAMS 8x10	40'	3	18	54	3266	9.798	590524
WF BEAMS 8x10	40'	1	14	14	2540	2.540	590524
WF BEAMS 8x13	40'	17	18	306	4236	72.012	590711
WF BEAMS 8x13	40'	1	7	7	1647	1.647	590711
WF BEAMS 8x15	40'	13	18	234	4898	63.674	590701
WF BEAMS 8x15	40'	1	7	7	1905	1.905	590701

TOTAL BUNDLES

85

TOTAL WEIGHT

360.252 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6-16a

(B01/B02/B03) A03



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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																		
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV					
<i>B06</i>																			
409249	,140	,780	,180	,017	,022	,006	,100	,130	,033	,410	,009	,017	,001	,33					
589850	,070	,940	,210	,028	,021	,013	,200	,160	,039	,440	,020	,025	,004	,32					
589859	,066	,960	,180	,026	,017	,011	,190	,180	,053	,440	,016	,021	,001	,32					
590522	,093	,890	,170	,019	,020	,010	,170	,180	,037	,340	,011	,025	,001	,32					
590524	,070	,960	,190	,023	,022	,012	,200	,170	,036	,410	,019	,026	,001	,32					
590585	,065	,940	,210	,018	,021	,014	,140	,140	,022	,390	,016	,021	,001	,29					
590701	,069	,900	,210	,016	,019	,013	,120	,140	,023	,450	,019	,026	,003	,29					
590711	,080	,940	,190	,021	,020	,013	,170	,160	,032	,420	,016	,027	,003	,32					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
<i>B11</i>	<i>B06</i>	<i>C11</i>		<i>C12</i>		<i>C13</i>	
W-6x12	589859	436	423	549	535	24,5	24,1
W-6x16	589850	405	401	497	480	24,	24,6
W-6x9	409249	439	428	533	519	25,	24,4
W-6x9	590585	476	473	569	557	24,8	24,1
W-8x10	590522	446	431	528	506	35,8	35,2
W-8x10	590524	463	462	543	545	36,4	35,3
W-8x13	590711	451	445	588	571	33,1	32,7
W-8x15	590701	434	423	540	523	33,3	32,3

8 análisis

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

B06: Marca AMB

Responsable del Departamento de Calidad Z01

J. Galindo
Jose Maria Galindo

ArcelorMittal Olaberria-Bergara