

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

OLA P-63235

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. SAN FRANCISCO CHILPAN - T MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	KOTA BAYU
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-67066/1700027809	27923	15/04/2019

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+/RED							
WF BEAMS 14x68	40'	6	4	24	4935	29.610	187557
WF BEAMS 14x68	40'	1	4	4	4935	4.935	187558
WF BEAMS 14x74	40'	1	3	3	4028	4.028	187552
WF BEAMS 14x74	40'	8	3	24	4028	32.224	187554
WF BEAMS 14x74	40'	1	3	3	4028	4.028	187555
WF BEAMS 14x74	40'	1	1	1	1343	1.343	187552
WF BEAMS 21x44	40'	11	6	66	4790	52.690	187409
WF BEAMS 21x44	40'	3	6	18	4790	14.370	187410
WF BEAMS 21x44	40'	1	6	6	4790	4.790	187411
WF BEAMS 21x44	40'	2	6	12	4790	9.580	187414
WF BEAMS 21x50	40'	2	5	10	4536	9.072	187424
WF BEAMS 21x50	40'	2	5	10	4536	9.072	187429
WF BEAMS 21x57	40'	1	5	5	5171	5.171	187241
WF BEAMS 21x57	40'	3	5	15	5171	15.513	187497
WF BEAMS 21x62	40'	1	4	4	4500	4.500	185027
WF BEAMS 21x62	40'	3	4	12	4500	13.500	187512
WF BEAMS 21x62	40'	1	4	4	4500	4.500	187514
WF BEAMS 21x62	40'	1	4	4	4500	4.500	187515
WF BEAMS 21x62	40'	2	4	8	4500	9.000	187516
WF BEAMS 21x62	40'	5	4	20	4500	22.500	187519
WF BEAMS 21x68	40'	2	4	8	4935	9.870	187473
WF BEAMS 21x68	40'	3	4	12	4935	14.805	187474
WF BEAMS 21x68	40'	1	4	4	4935	4.935	187475

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

OLA P-63235

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 21x93	40'	1	3	3	5062	5.062	187484
WF BEAMS 21x93	40'	1	3	3	5062	5.062	187485
WF BEAMS 24x68	40'	1	4	4	4935	4.935	187443

TOTAL BUNDLES **65** TOTAL WEIGHT **299.595 Kg.**

A02 EN 10204/3.1

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

(B01/B02/B03) A03

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
B08														
185027	,086	,890	,200	,022	,020	,020	,160	,140	,021	,410	,015	,029	,002	,31
187241	,076	,940	,190	,018	,020	,014	,100	,210	,034	,360	,023	,031	,002	,30
187409	,088	,960	,210	,027	,019	,015	,210	,150	,034	,370	,015	,024	,001	,33
187410	,080	,920	,210	,028	,021	,014	,230	,170	,027	,380	,017	,029	,002	,32
187411	,085	,930	,200	,023	,019	,012	,150	,160	,037	,350	,014	,026	,002	,31
187414	,069	,890	,200	,023	,020	,012	,160	,180	,038	,390	,016	,031	,002	,30
187424	,089	,930	,230	,025	,021	,012	,170	,170	,035	,380	,021	,027	,001	,32
187429	,067	,900	,170	,032	,021	,015	,150	,140	,022	,360	,020	,022	,001	,29
187443	,092	,900	,210	,023	,023	,013	,160	,160	,030	,350	,015	,027	,001	,32
187473	,103	,950	,210	,029	,021	,013	,250	,180	,041	,450	,018	,028	,004	,36
187474	,084	,910	,220	,026	,021	,013	,180	,150	,041	,370	,015	,026	,002	,32
187475	,077	,940	,180	,028	,021	,013	,200	,150	,033	,410	,016	,026	,001	,32
187484	,089	,930	,230	,022	,022	,018	,150	,160	,033	,420	,017	,027	,002	,32
187485	,084	,920	,200	,020	,020	,019	,150	,170	,025	,420	,020	,027	,002	,32
187497	,108	,920	,190	,026	,019	,015	,210	,210	,030	,420	,021	,025	,002	,35
187512	,079	,940	,220	,029	,017	,016	,240	,150	,031	,420	,017	,020	,001	,33
187514	,086	,950	,210	,026	,018	,018	,290	,170	,028	,490	,018	,019	,002	,36
187515	,085	,950	,270	,023	,018	,019	,250	,150	,031	,520	,017	,018	,002	,35
187516	,079	,930	,220	,024	,018	,017	,250	,180	,033	,490	,019	,018	,001	,34
187519	,101	,950	,210	,023	,020	,019	,160	,180	,027	,480	,020	,027	,002	,34
187552	,095	,980	,230	,023	,019	,021	,160	,170	,028	,410	,023	,035	,001	,34
187554	,089	,930	,210	,029	,018	,017	,190	,180	,028	,430	,020	,028	,001	,33
187555	,091	,970	,230	,023	,018	,015	,170	,160	,037	,420	,020	,024	,001	,34
187557	,094	,950	,210	,029	,022	,018	,190	,160	,035	,500	,018	,024	,001	,34
187558	,093	1,020	,200	,034	,020	,015	,250	,170	,034	,530	,019	,023	,001	,37

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-14x68	187557	413	404	564	542	23,8	23,5
W-14x68	187558	423	417	571	563	23,2	22,8
W-14x74	187552	419	405	532	520	24,2	23,9
W-14x74	187554	393	389	507	505	24,3	23,7
W-14x74	187555	411	399	542	526	24,3	23,7
W-21x44	187409	428	422	524	504	23,1	22,5
W-21x44	187410	443	425	537	515	23,4	22,9
W-21x44	187411	433	421	527	523	23,1	22,8
W-21x44	187414	391	381	498	484	23,4	22,7



MILL TEST CERTIFICATE

OLA P-63235

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-21x50	187424	412	422	498	545	23,6	22,4
W-21x50	187429	402	392	515	493	22,6	22,6
W-21x57	187241	429	415	546	538	24,	23,9
W-21x57	187497	407	399	521	508	23,9	23,6
W-21x62	185027	417	407	526	507	24,2	23,7
W-21x62	187512	403	398	548	542	24,	23,2
W-21x62	187514	412	408	554	532	24,1	23,5
W-21x62	187515	392	388	529	519	24,	23,2
W-21x62	187516	412	406	552	542	23,9	23,4
W-21x62	187519	410	398	557	539	23,9	23,3
W-21x68	187473	413	401	539	527	24,4	23,9
W-21x68	187474	405	389	532	513	24,5	23,8
W-21x68	187475	404	396	535	519	24,	23,6
W-21x93	187484	435	430	521	548	24,8	25,
W-21x93	187485	432	426	561	544	24,2	23,9
W-24x68	187443	408	408	515	494	24,4	23,7

25 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

ArcelorMittal Olaberria-Bergara
 Jose Maria Galindo

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. ES/20/0040/03

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