

ArcelorMittal Gipuzkoa, S.L.U.  
 ArcelorMittal Europe – Long Products  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Guipúzcoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

OLA P-45072

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	THORCO LUNA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	01-E-50976 / 1700020437	20773	03/06/2015

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 14x74	40'	7	3	21	4028	28.196	158760,158761,158762
WF BEAMS 24x55	40'	12	5	60	4990	59.880	158579,158580,158581, 158582,158585,158594, 158598,158599,158600, 158601,158602,158603, 158605,158606,158612
WF BEAMS 24x62	40'	7	4	28	4500	31.500	158686,158799

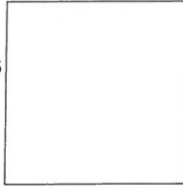
TOTAL BUNDLES 26 TOTAL WEIGHT 119.576 Kg.

A02 EN 10204/3.1

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

(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				
B08																		
158579	,100	,770	,210	,018	,019	,045	,140	,170	,038	,380	,003	,031	,002	,31				
158580	,090	,730	,180	,019	,025	,042	,100	,130	,026	,360	,003	,031	,001	,28				
158581	,112	,760	,180	,015	,016	,045	,110	,170	,041	,330	,003	,029	,002	,31				
158582	,105	,730	,200	,014	,016	,042	,110	,200	,042	,340	,003	,032	,003	,30				
158585	,112	,750	,160	,017	,021	,050	,120	,200	,032	,290	,003	,026	,002	,31				
158594	,092	,770	,200	,021	,019	,045	,190	,210	,031	,410	,003	,032	,001	,31				
158598	,084	,710	,190	,022	,020	,041	,190	,160	,026	,400	,003	,033	,001	,29				
158599	,083	,730	,190	,020	,019	,042	,210	,150	,026	,410	,003	,023	,002	,30				
158600	,083	,680	,210	,020	,021	,040	,190	,150	,027	,400	,003	,024	,002	,28				
158601	,091	,710	,180	,019	,020	,043	,130	,180	,028	,400	,003	,030	,002	,29				
158602	,109	,740	,160	,024	,019	,040	,150	,180	,027	,410	,003	,033	,001	,32				
158603	,097	,710	,210	,022	,024	,048	,250	,200	,049	,330	,003	,026	,001	,32				
158605	,109	,740	,200	,016	,018	,043	,150	,240	,038	,320	,003	,029	,002	,32				
158606	,102	,740	,200	,020	,020	,044	,180	,230	,035	,340	,003	,027	,002	,32				
158612	,103	,750	,190	,022	,020	,047	,160	,170	,030	,390	,003	,031	,001	,31				
158686	,110	,710	,200	,017	,021	,044	,160	,190	,042	,280	,003	,025	,002	,31				
158799	,092	,680	,190	,021	,022	,045	,170	,200	,030	,300	,003	,025	,001	,29				
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						A% L0=8"										
		ReH MPa		Rm MPa		C13												
B11	B08	C11		C12		C13												
W-24x55	158579	408	425	511	502	23,9	23,4											
W-24x55	158580	395	381	507	507	23,1	23,											
W-24x55	158581	400	398	519	503	24,9	24,4											
W-24x55	158582	396	410	511	541	25,1	22,9											
W-24x55	158585	394	392	513	490	25,9	25,											
W-24x55	158594	419	411	536	512	25,6	25,1											
W-24x55	158598	390	392	503	513	26,3	26,5											
W-24x55	158599	389	415	525	499	22,	22,4											
W-24x55	158600	410	408	522	515	24,5	24,2											
W-24x55	158601	392	386	513	504	24,9	24,6											
W-24x55	158602	391	388	502	500	23,5	23,3											
W-24x55	158603	417	403	515	496	24,2	24,5											
W-24x55	158605	415	405	532	526	25,5	25,1											
W-24x55	158606	417	396	522	517	22,8	22,1											
W-24x55	158612	414	404	532	526	23,1	22,5											
W-24x62	158686	387	375	504	495	25,2	24,8											
W-24x62	158799	396	390	523	511	24,	23,6											

## 17 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 201

Lorenzo Zabala