



US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO CUSTOMER BILL TO		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 10 X 19# / 250 X 28.4	DOCUMENT ID: 0000793675
SALES ORDER 11903778/000020		LENGTH 50'00"	WEIGHT 2,850 LB	HEAT / BATCH 59105065/03
CUSTOMER PURCHASE ORDER NUMBER SSW128178		SPECIFICATION / DATE OF REVISION ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		
BILL OF LADING 1327-0000480485		CUSTOMER MATERIAL N°		
DATE 06/16/2022				

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.07	0.015	0.035	0.21	0.37	0.10	0.20	0.025	0.009	0.001	0.014	0.001	0.30
MECHANICAL PROPERTIES		YS (MPa)	YS (PSI)	UTS (MPa)	UTS (PSI)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)				
YS 0.2% (PSI)	62757	433	76812	530	0.820	8.000	200.0	25.20					
	62118	428	76031	524	0.820	8.000	200.0	26.30					

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdau possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

Bhaskar

BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Wade A. Lumpkins

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CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE	SHAPE / SIZE	DOCUMENT ID:	
				A992/A372-50	Wide Flange Beam / 10 X 19# / 250 X 28.4	0000793675	
				LENGTH	WEIGHT	HEAT / BATCH	
				5000"	2,850 LB	59105065/03	
SALES ORDER		CUSTOMER MATERIAL N°		SPECIFICATION / DATE OF REVISION			
11903778/000020				ASTM A6-17			
				ASTM A709-18			
				ASTM A992-20, A572-21			
				CSA G40.21-13 345WM4, 50W			
CUSTOMER PURCHASE ORDER NUMBER		DATE					
SSW128178		06/16/2022					
BILL OF LADING							
1327-0000480485							

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.07	0.90	0.035	0.21	0.37	0.10	0.20	0.025	0.009	0.001	0.014	0.001	0.30
MECHANICAL PROPERTIES		UTS (PSI)		YS (MPa)		UTS (MPa)		Y/T rati (%)		G/L (Inches)		G/L (mm)	
	62757	76812	433	530	0.820	8,000	200.0	200.0	8,000	200.0	200.0	26.30	26.30
	62118	76031	428	524	0.820	8,000	200.0	200.0	8,000	200.0	200.0	26.30	26.30

COMMENTS / NOTES

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CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE	SHAPE / SIZE	DOCUMENT ID:
SALES ORDER 11437001/000110		CUSTOMER MATERIAL N°		A992/A372-50	Wide Flange Beam / 10 X 19# / 250 X 28.4	0000778819
BILL OF LADING 1327-0000475868		DATE 05/16/2022		LENGTH 50'00"	PCS 10	WEIGHT 9,500 LB
CUSTOMER PURCHASE ORDER NUMBER SSW125394		SPECIFICATION / DATE OF REVISION		HEAT / BATCH 59105065/02		
		ASTM A6-17				
		ASTM A709-18				
		ASTM A992-20, A572-21				
		CSA G40.21-13 345WWM, 50W				

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.07	0.90	0.035	0.21	0.37	0.10	0.20	0.025	0.009	0.001	0.014	0.001	0.30
MECHANICAL PROPERTIES		YS (MPa)	YS (PSI)	UTS (MPa)	UTS (PSI)	Y/T rati (%)	G/L (mm)	Elong. (%)					
YS 0.2% (PSI)	62757	433	76812	530	8.820	8,000	200.0	25.20					
	62118	428	76031	524	0.820	8,000	200.0	26.30					

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdaus possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

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