

Superior Supply & Steel Sulphur  
 Customer PO: 189509-08  
 Heat: 59076775  
 Shipment: 0017037614



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

CUSTOMER SHIP TO  
 STEEL & PIPE SUPPLY CO INC  
 8815 MISSISSIPPI ST  
 HOUSTON, TX 77029-4401  
 USA

CUSTOMER BILL TO  
 STEEL & PIPE SUPPLY CO INC  
 MANHATTAN, KS 66505-1688  
 USA

GRADE  
 A992/A572-50

SHAPE / SIZE  
 Wide Flange Beam / 10 X 12# / 250 X 179

DOCUMENT ID:  
 0000161038

SALES ORDER  
 5732646000010

CUSTOMER MATERIAL N°  
 000000003710120050

LENGTH  
 50'00"

WEIGHT  
 19,200 LB

HEAT / BATCH  
 59076775/02

CUSTOMER PURCHASE ORDER NUMBER  
 C450024516

BILL OF LADING  
 1327-0000254887

DATE  
 10/19/2017

SPECIFICATION / DATE OF REVISION  
 ASTM A709-15  
 ASTM A6-14  
 ASTM A992-11 (2015), A572-15  
 CSA G40.21-13 345W4M

CHEMICAL COMPOSITION		C	Mn	P	S	Si	Cr	Ni	Al	Mo	Sr	Y	Nb	Al
		%	%	%	%	%	%	%	%	%	%	%	%	%
CHEMICAL COMPOSITION		0.09	0.87	0.009	0.029	0.24	0.31	0.15	0.17	0.025	0.007	0.001	0.014	0.003

CHEMICAL COMPOSITION		CE	Y	AS
		%	%	%
CHEMICAL COMPOSITION		0.30		

MECHANICAL PROPERTIES		YS	UTS	YS	UTS	Y/T <sub>min</sub>	CA
		MPa	MPa	MPa	MPa		Inch
MECHANICAL PROPERTIES		53228	66116	367	456	0.800	8.000
		54456	67567	376	466	0.810	8.000

MECHANICAL PROPERTIES		Elong.	Elong.
		%	%
MECHANICAL PROPERTIES		200.0	24.90
		200.0	25.00

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the bills, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.

*Mashary*  
 BHASKAR VALAMANGILI  
 QUALITY DIRECTOR

*Wade Lumpkins*  
 WADE LUMPKINS  
 QUALITY ASSURANCE MGR

Phone: (409) 769-1014 Email: Bhaskar.Valamangili@gerdau.com

Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com