


PO#: P0240219-15 Part: R30020* Qty: 9 Heat#: 58052880* Tag: B16032123 3/22/2023 To: SENTRY SUPPLY dba SO#: A756104 Ln#: 2

CERTIFIED MATERIAL TEST REPORT

 <p>GERDAU US-ML-MIDLOTHIAN 300 WARD ROAD MIDLOTHIAN, TX 76065 USA</p>		<p>P S 8415 CLINTON DRIVE HOUSTON, TX 77029 USA</p>		<p>GRADE GGMULTI</p>	<p>SHAPE / SIZE Round Bar / 3"</p>	<p>DOCUMENT ID: 0000828090</p>
<p>U.S. STEEL MIDDLE LAR HOUSTON, TX 77029-3613 USA</p>		<p>LENGTH 20'00"</p>		<p>WEIGHT 11,716 LB</p>	<p>HEAT / BATCH 58052880/04</p>	
<p>SALES ORDER 11859878/000020</p>		<p>CUSTOMER MATERIAL N°</p>		<p>SPECIFICATION / DATE OF REVISION ASME SA36, ASTM A529-14 ASTM A6-17, A36-14 CSA G40.20-13/G40.21-13</p>		
<p>CUSTOMER PURCHASE ORDER NUMBER SSW127908</p>		<p>BILL OF LADING 1327-0000491698</p>	<p>DATE 09/09/2022</p>			

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)	CEqvA529 (%)
C (%)	0.16	0.009	0.024	0.20	0.27	0.09	0.15	0.027	0.011	0.042	0.014	0.001	0.34	0.37
MECHANICAL PROPERTIES		UTS (PSI)	YS (MPa)	UTS (MPa)	G/L (Inches)	G/L (mm)	Elong. (%)							
YS 0.2% (PSI)	52556	77914	363	537	2.000	50.0	24.10							
	52187	78170	360	539	2.000	50.0	24.00							

COMMENTS / NOTES

This grade meets the requirements for the following grades:
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
 CSA Grades: 44W; 50W
 AASHTO Grades: M270-36; M270-50
 ASME Grades: SA36

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 Gerdaul 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.

Shashank BHASKAR YALAMANCHILI QUALITY DIRECTOR
 WADE LUMPKINS QUALITY ASSURANCE MGR.

Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com
 Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com